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First Quarter Groundwater Monitoring  
of 1994

at

Stoody Company Facility  
Industry, California

for

Thermadyne Holdings Corporation  
St. Louis, Missouri

Clayton Project No. 50923.03

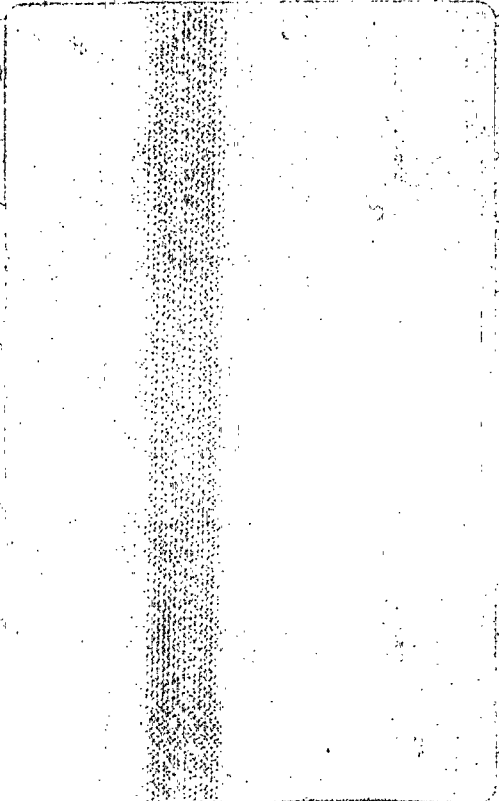
May 23, 1994

**Clayton**  
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## 1.0 INTRODUCTION

The Stood Company retained Clayton Environmental Consultants, Inc., on September 9, 1993, to perform quarterly groundwater monitoring for each of the five groundwater monitoring wells at the Stood Company, located at 16425 East Gale Avenue, Industry, California (Figure 1, Appendix A).

The work was performed in accordance with the Terms and Conditions outlined in Clayton's Proposal No. 93-SEE-097, dated September 2, 1993, and under the guidance of the California Regional Water Quality Control Board (CRWQCB) Los Angeles Region (File No. 105.0263).

### 1.1 OBJECTIVES

Clayton's objective for this fourth quarter were:

- Evaluate the groundwater flow gradient for each area of concern.
- Evaluate the chemical groundwater quality in each monitoring well.

### 1.2 SCOPE OF WORK

Clayton completed the following scope of work to accomplish its objectives:

- Measured the depth to water and total depth of each monitoring well.
- Recorded Ph, temperature, and conductivity of the groundwater a minimum of four times during purging.
- Purged at least 3 casing volumes of groundwater from each monitoring well.
- Collected groundwater samples from the monitoring wells at the site and analyzed the samples for volatile organic compounds (VOCs) using EPA Method 524.2. The results of the chemical analyses for the last six quarters tested are summarized in Table 1.
- Contained purged groundwater in labeled DOT-approved, 55-gallon drums at the wellhead for appropriate disposal based on the laboratory results from each specific monitoring well.
- Prepared a quarterly groundwater monitoring report.

Sampling was conducted under the supervision of a California Registered Geologist with at least 5 years of hydrogeologic investigation experience. A workplan was prepared and submitted to the CRWQCB on October 19, 1988 (Clayton, 1988) outlining the scope of the quarterly monitoring program. The CRWQCB approved

the workplan for implementation on January 11, 1989.

## **2.0 BACKGROUND**

Clayton has performed subsurface investigations and quarterly groundwater monitoring at the Stoodly Company facility since 1989. The Stoodly Company ceased manufacturing welding products at the subject site in November 1991. Since that time the facility has been partially vacant and partially used as a warehouse.

The subject report presents the groundwater sampling results of the last quarterly sampling event conducted on March 4, 1994 as well as a historical summary of the concentrations for three key compounds: Tetrachloroethene (PCE), Trichloroethene (TCE) and 1,1-Dichloroethene (DCE), as they were detected above the MCLs since the groundwater investigation at the site began in 1989.

The historical summary of all the groundwater sampling events are presented on this report because this report represents the final quarterly report for the Stoodly facility pending a response to the request for closure presented by Clayton Environmental on behalf of the Stoodly Company.

The subject closure was proposed by Clayton Environmental in a meeting conducted on April 26, 1994 attended by Mr. Eric Nupin and Ms. Rueen-Fang Wang from the CRWQCB, Mr Gustavo Valdivia and Ms. Kathleen Williams from Clayton, and Mr. Martin Casper and Ms. Stephanie Josephson representing the Stoodly Company. Clayton is submitting the request for final closure in a letter attached to this report.

## **3.0 MONITORING ACTIVITIES**

The following sections present a description of field work and laboratory analyses that were used to meet the objectives of the quarterly groundwater program. Field activities for the first quarter 1994 sampling event were conducted on March 4, 1994.

### **3.1 FIELD WORK**

#### **3.1.1 Groundwater Measurements**

Clayton measured and recorded the depth to groundwater in each monitoring well once during the first quarter 1994. The depth to groundwater, was measured and recorded on a groundwater sampling form. The groundwater sampling forms are in Appendix A.

#### **3.1.2 Groundwater Purging and Sampling**

Clayton purged and sampled the 4 existing groundwater monitoring wells on March 7, 1994. As it was explained in the previous groundwater quarterly report, monitoring well MW-5 was removed during the remediation activities conducted in



late 1993 (Clayton, 1994).

Groundwater was pumped at rates not exceeding 5-gallons per minute from each monitoring well using a Grundfos™ submersible pump. Throughout the purging procedure, Ph, temperature, and conductivity were measured and recorded on field groundwater sampling forms (Appendix A). The monitoring wells were allowed to recharge to a minimum of 80% before samples were collected. Groundwater samples were collected in appropriate containers for the analyses specified.

### **3.2 ANALYTICAL METHODS**

Groundwater samples from each of the wells were analyzed using EPA Methods 524.2 for volatile organic compounds and 180.1 for turbidity. The samples were analyzed at the laboratory facilities of Clayton Environmental Consultants, in Pleasanton, California. Clayton Environmental laboratory in Pleasanton is certified by the State of California to perform the specified analysis.

### **4.0 FIELD PROCEDURES**

Clayton personnel conducted field activities and sampling in accordance with Clayton's field protocols.

#### **4.1 SAMPLING PROCEDURES**

Prior to groundwater sampling, monitoring wells were purged with a Grundfos™ submersible pump. Water quality parameters (Ph, temperature, and electrical conductivity) were measured and recorded periodically during the purging process. Monitoring well purging was discontinued after removing at least three well casing volumes of water, and the water quality parameters had stabilized to within 10% of the previously measured parameter. Each monitoring well was allowed to recharge to 80% of its original measured groundwater level before sampling.

Clayton collected the groundwater samples with a Teflon™ bailer. The groundwater samples were decanted from the bailer with a Teflon™ tap and collected in the appropriate containers with preservatives. The samples were collected in containers appropriate to the analyses requested (i.e., 40 ml "zero head space" glass vials with teflon-lined septa for the VOCs analysis; and 500 ml plastic bottles for the turbidity analysis). The samples were labeled, wrapped in shock-absorbing materials, and placed on Blue Ice™ in an ice chest for transportation to a laboratory that was certified by the State of California, Department of Health Services (DHS) for analyses. Chain-of-custody protocols were followed throughout field and laboratory procedures.

#### **4.2 WASTE MANAGEMENT**

Water removed from the monitoring wells during purging and sampling was placed in Class 17-H, DOT-approved 55-gallon drums. Disposal of the purged water is handled by the Stooddy Company. The purged water is manifested, transported by the Amberwick Corporation to the De Menno/Kerdon facility in Compton, California for recycling. A copy of a manifest for purged water disposal is attached in Appendix A.

#### **4.3 DECONTAMINATION PROCEDURES**

Clayton hand washed the sampling devices, purging equipment, water-level indicating devices, and water-quality meters prior to their use in each monitoring well. They were washed in an Alconox™ detergent solution, rinsed twice in potable water, and final rinsed with deionized water. For the decontamination of the purging equipment (Grundfos™ pump and hose), approximately 5 to 10 gallons of potable water was first run through the system, followed by 3 to 5 gallons of deionized water. The exterior surfaces of the pump and hose were hand washed then rinsed with potable water.

#### **4.4 WELL-SOUNDING PROCEDURES**

Clayton used electronic water-level indicators to measure depth to water prior to purging each monitoring well. Depths to groundwater were measured and recorded to the nearest one-hundredth of a foot relative to the surveyors mark at the top of each well casing. To minimize the potential for cross-contamination, water-level indicators were decontaminated between soundings.

### **5.0 MONITORING RESULTS**

#### **5.1 GROUNDWATER POTENTIOMETRIC SURFACE MAPS**

Groundwater elevations for the last quarter are summarized in Table 2. A historical summary of the groundwater elevations is presented in Table 3. Clayton compiled groundwater monitoring well data, land surveyed well locations, casing elevations, and the last measurement of groundwater elevations for specific monitoring wells. Based on those measurements a groundwater potentiometric surface map was generated for the site.

#### **5.2 ANALYTICAL RESULTS**

The laboratory analytical results for VOCs, of the groundwater samples collected during the first quarter of 1994, and the analytical data for all the compounds detected from the last six groundwater monitoring events are summarized in Table 1.

Table 5 presents a historical summary of the concentrations of 1,1 dichloroethene (1,1-DCE), tetrachloroethene (PCE), 1,1,1-Trichloroethane (1,1,1-TCA) and trichloroethene (TCE), since these have been the compounds of concern during the history of the site.

#### **5.2.1 Monitoring Well MW-1**

The laboratory reported a concentration of 7.1 Nephelometric Turbidity Units (NTUs) in the sample analyzed from Well MW-1 (Table 4).

The laboratory reported the presence of the following five VOCs: 1,1 dichloroethene (1,1-DCE) at 19 ug/L, 1,1,1-trichloroethane (1,1,1-TCA) at 1.7 ug/L, tetrachloroethene (PCE) at 67 ug/L, trichloroethene (TCE) at 35 ug/L, and Freon 113 at 1.9 ug/L.

The concentrations of 1,1-DCE, TCE and PCE were the only compounds that exceeded the established MCL for drinking water.

#### **5.2.2 Monitoring Well MW-2**

The laboratory reported a concentration of 5.5 Nephelometric Turbidity Units (NTUs) in the sample analyzed from Well MW-2 (Table 4).

The laboratory reported the presence of the following six VOCs: 1,1-DCE at 4.3 ug/L, PCE at 150 ug/L, 1,1,1-TCA at 0.7 ug/L, TCE at 9.2 ug/L, TCFM at 0.9 ug/L, and Freon 113 at 4.0 ug/L.

The concentrations of TCE and PCE exceeded the established MCL for drinking water.

#### **5.2.3 Monitoring Well MW-3**

The laboratory reported a concentration of 4.2 NTUs in the sample analyzed from Well MW-3 (Table 4).

The laboratory reported the presence of the following four VOCs: 1,1-DCE at 0.9 ug/L, sec-Butylbenzene at 0.9 ug/L, PCE at 9.3 ug/L, and TCE at 5.4 ug/L.

The concentrations of TCE and PCE exceeded the established MCL for drinking water.

#### **5.2.4 Monitoring Well MW-4**

The laboratory reported a concentration of 4.2 NTUs in the sample tested from Well MW-4 (Table 4).

The laboratory reported the presence of eight VOCs: 1,1-DCE at 14 ug/L, Cis 1,2-DCE at 3.2 ug/L, 1,2-Dichloroethane at 3.2 ug/L, PCE at 190 ug/L, 1,1,1-TCA at 1.2 ug/L, TCE at 29 ug/L, TCFM at 3.7 ug/L and Freon 113 at 8.4 ug/L.

Of the eight compounds detected, three (1,1-DCE, PCE, TCE) exceeded the MCL for drinking water.

## **6.0 DISCUSSION AND CONCLUSIONS**

### **6.1 TURBIDITY**

The turbidity test results from the laboratory indicate that two of the four groundwater samples taken were within the recommended EPA turbidity range 0 to 5 NTUs and two samples were slightly above the recommended level. Table 4 in Appendix A presents the turbidity results of the monitoring wells for the subject sampling event.

### **6.2 VOLATILE ORGANIC COMPOUNDS**

Clayton has performed quarterly groundwater monitoring at the Stoodly Company facility for the last 3 years.

The most noticeable trend noted in the laboratory analyses has been the consistent reduction of VOC concentrations during this time. During the subject sampling event the following five compounds exceeded the MCL standards:

- CTC, in MW-3
- 1,2-DCA, in MW-3
- 1,1-DCE, in MW-1, MW-2, MW-3, and MW-4
- PCE, in MW-1, MW-2, MW-3, and MW-4
- TCE, in MW-1, MW-2, MW-3, and MW-4

The laboratory analyses of the groundwater samples collected during the last 3 years, and the results of this quarter, indicate that the contaminants observed in the downgradient monitoring wells can also be seen in the upgradient monitoring wells of the facility. These data indicate that an offsite source of contamination exists, and the groundwater is contaminated before reaching the site.

Figures 4 through 11 and Table 4 present a historical summary of the concentrations of 1,1-DCE, PCE, and TCE.

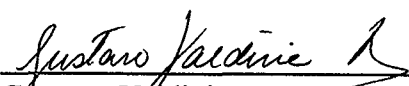
## **7.0 SCHEDULE FOR NEXT GROUNDWATER MONITORING EVENT**

Clayton Environmental on behalf of the Stoodly Company requests that the CRWQCB grant closure for the subject site and that the groundwater sampling be discontinued at the site. For this reason groundwater sampling is not scheduled in the future.

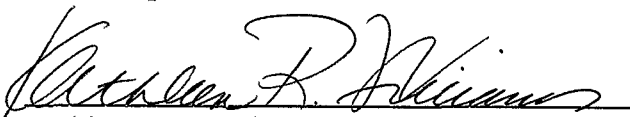
## 8.0 LIMITATIONS

The information and opinions rendered in this report are exclusively for use by the Thermadyne Company. Clayton Environmental Consultants, Inc. will not distribute this report without their consent except as may be required by law or court order. The information and opinions expressed in this report are given in response to our limited assignment and should be evaluated and implemented only in light of that assignment. We accept responsibility for the competent performance of our duties in executing the assignment and preparing this report in accordance with the normal standards of our profession but disclaim any responsibility for consequential damages.

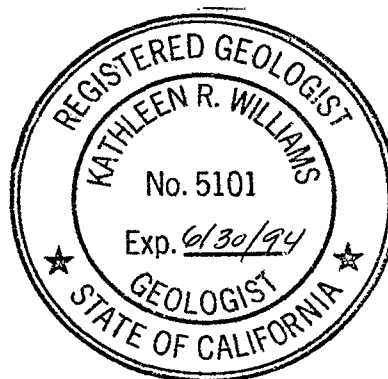
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Kathleen R. Williams, R.G.# 5101  
Manager  
Environmental Management Services  
Pacific Operations

May 23, 1993



9.0

REFERENCES

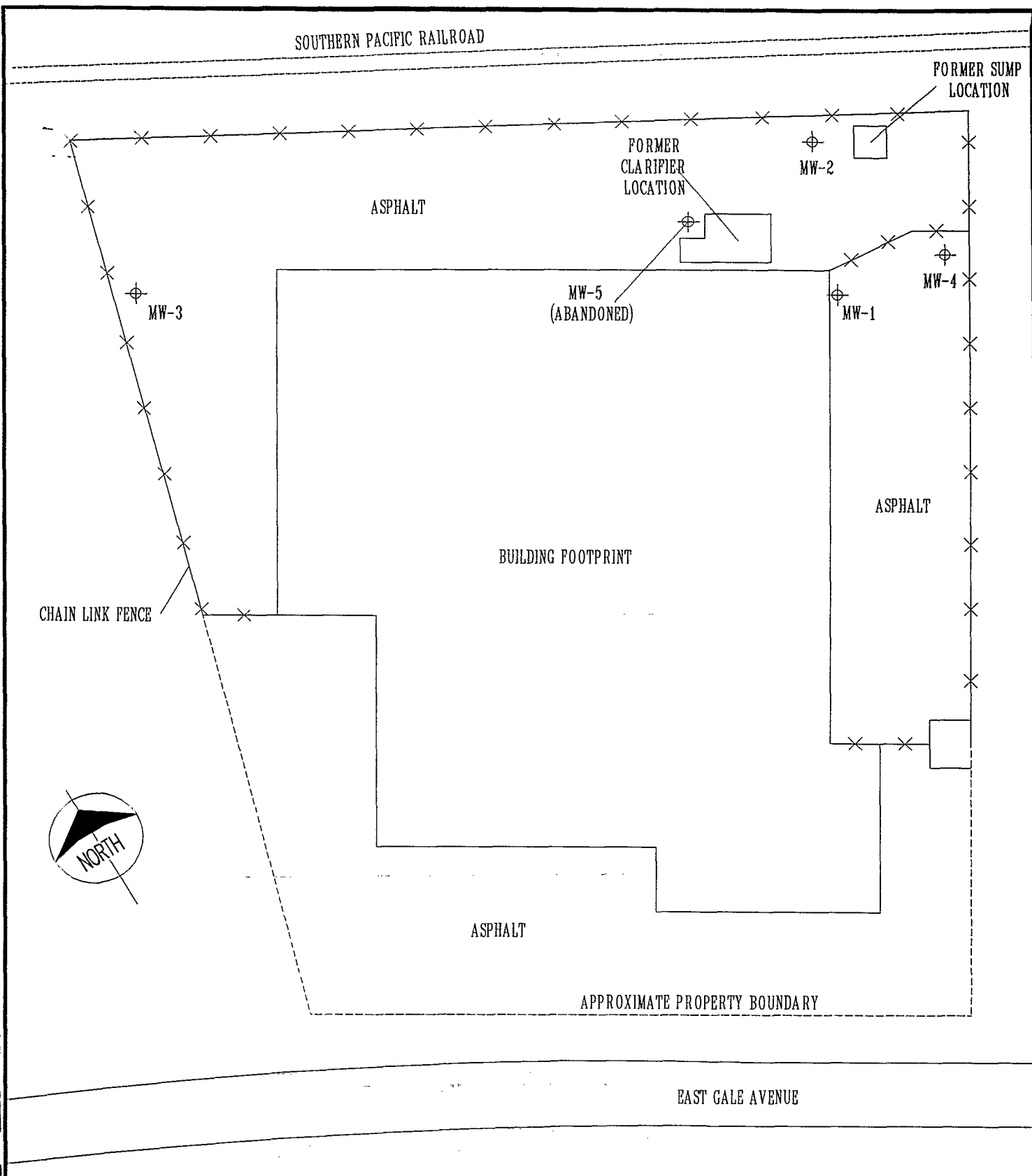
Clayton Environmental Consultants, October, 1988. Initial Subsurface Soil Investigation Report and Groundwater Monitoring Workplan for the Stooddy Company at 16425 East Gale Avenue, Industry, California

Clayton Environmental Consultants, January, 1994. Fourth Quarter, 1993, Groundwater Monitoring Results from the Stooddy Company Facility, 16425 East Gale Avenue, Industry California

## FIGURES







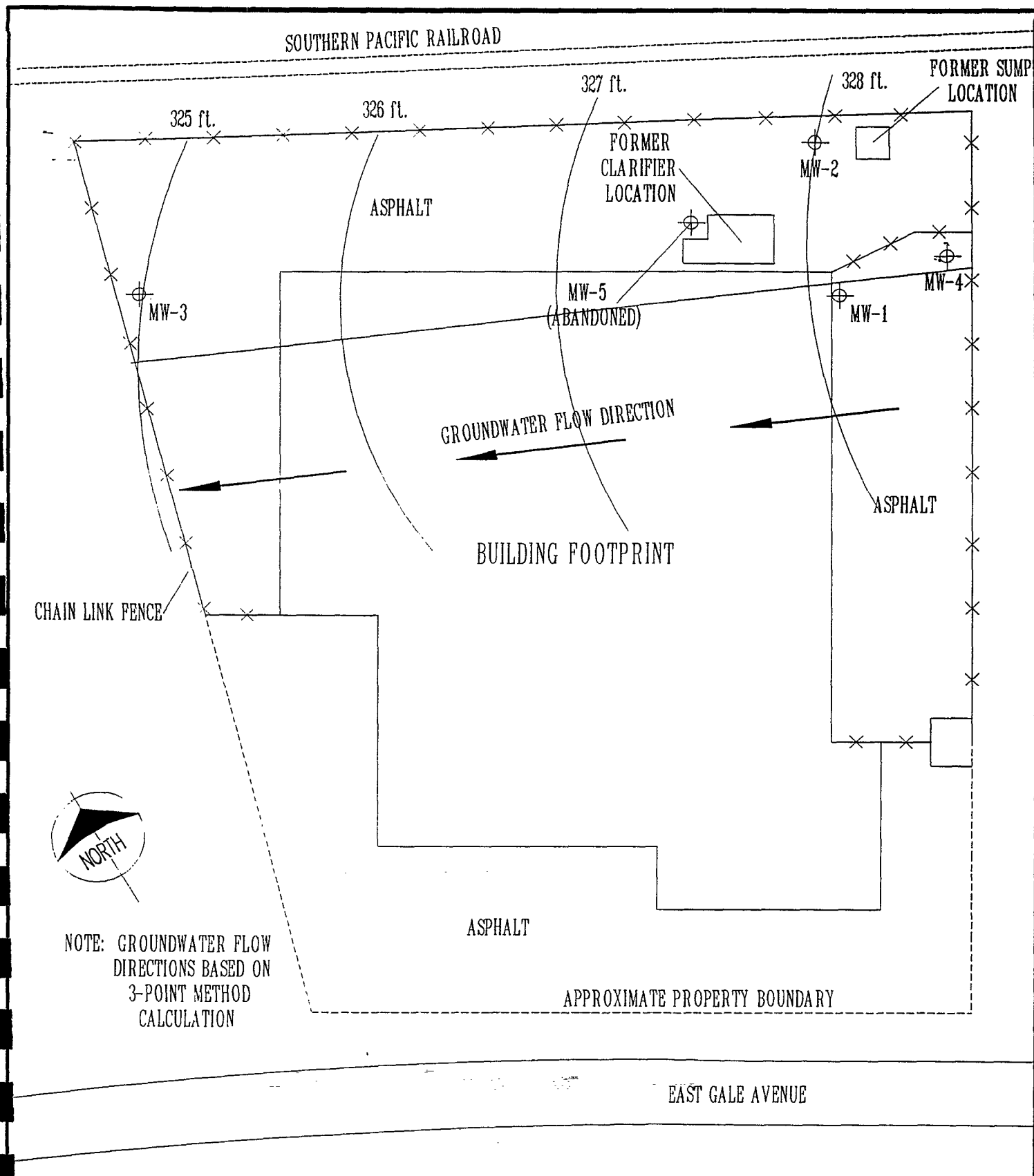
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.  
 5785 CORPORATE AVENUE, SUITE 150  
 CYPRESS, CALIFORNIA 90630

PROJECT NO:  
 50923.02  
 SCALE:  
 NTS

SITE LOCATION MAP  
 THE STOODY COMPANY  
 16425 E. GALE AVENUE  
 CITY OF INDUSTRY, CALIFORNIA

DRAWN BY: LWV  
 CHECKED BY: GV  
 DATE: 1/94

FIGURE  
 2  
 50923-2



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.  
 5785 CORPORATE AVENUE, SUITE 150  
 CYPRESS, CALIFORNIA 90630

PROJECT NO:  
 50923.02  
 SCALE:  
 NTS

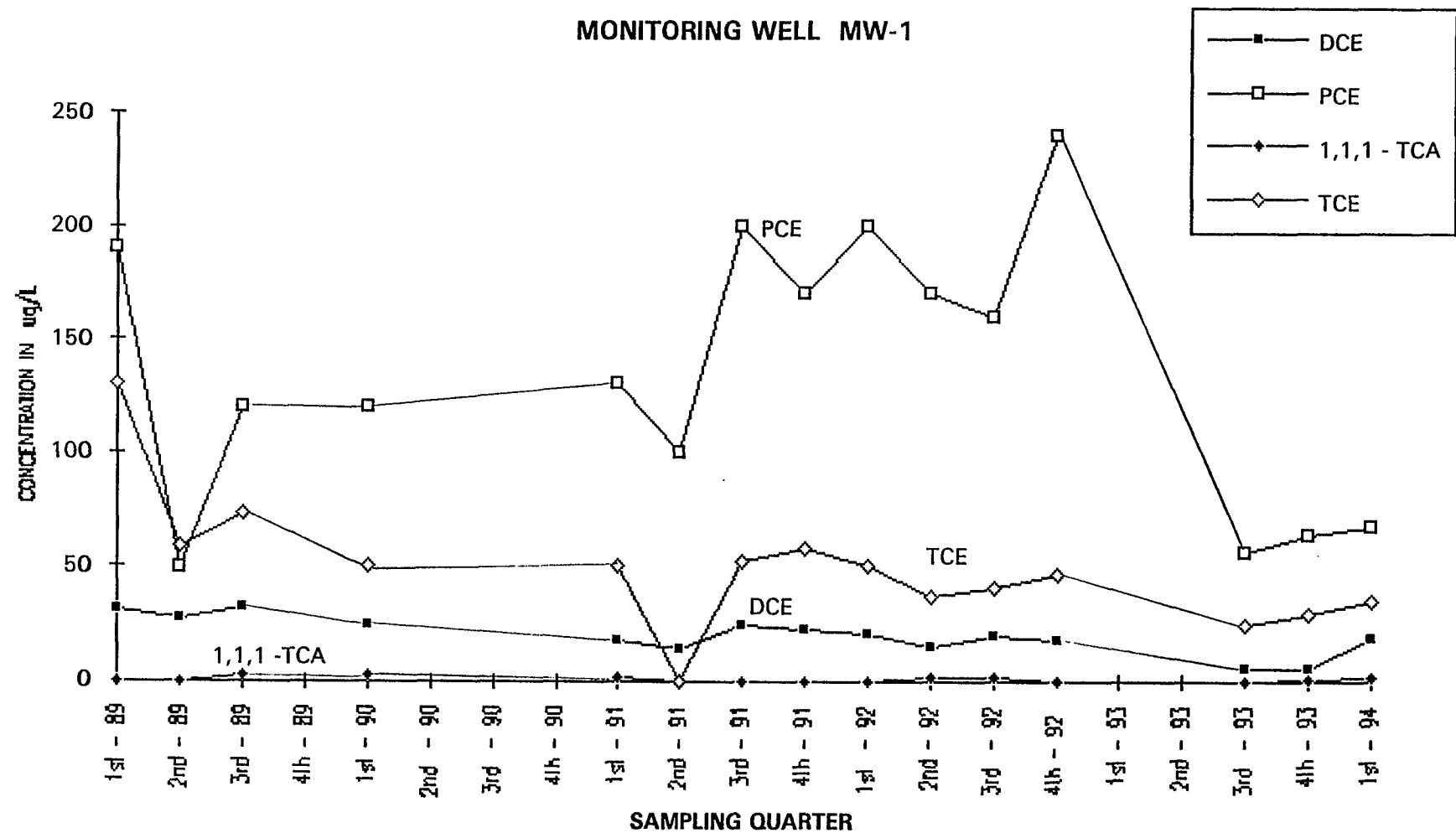
GROUNDWATER FLOW  
 DIRECTION MAP  
 THERMADYNE INDUSTRIES  
 STOODY COMPANY FACILITY  
 CITY OF INDUSTRY, CALIFORNIA

DRAWN BY: LWV  
 CHECKED BY: GV  
 DATE: 1/94

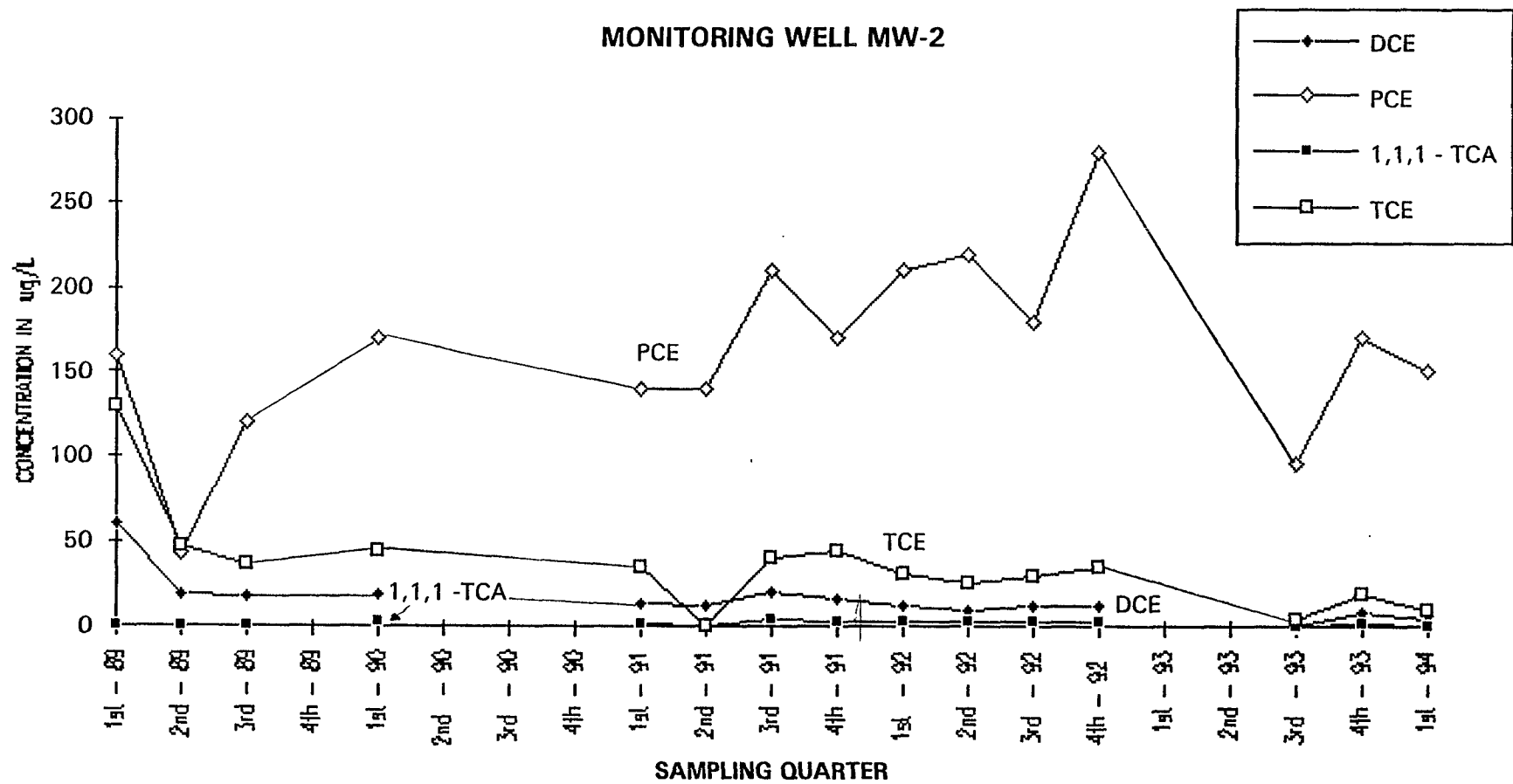
FIGURE  
 3  
 50923-3

FIGURE 4

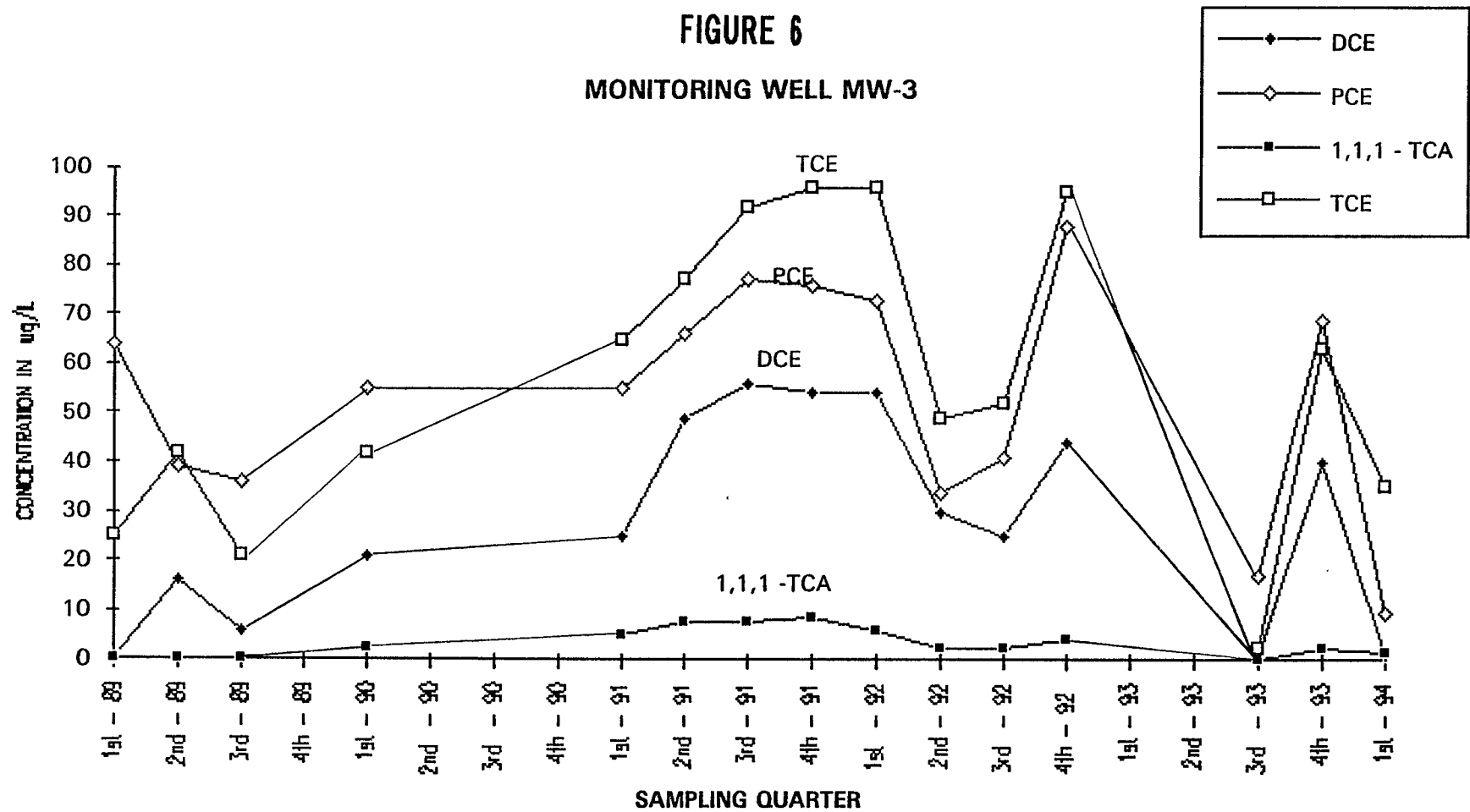
MONITORING WELL MW-1



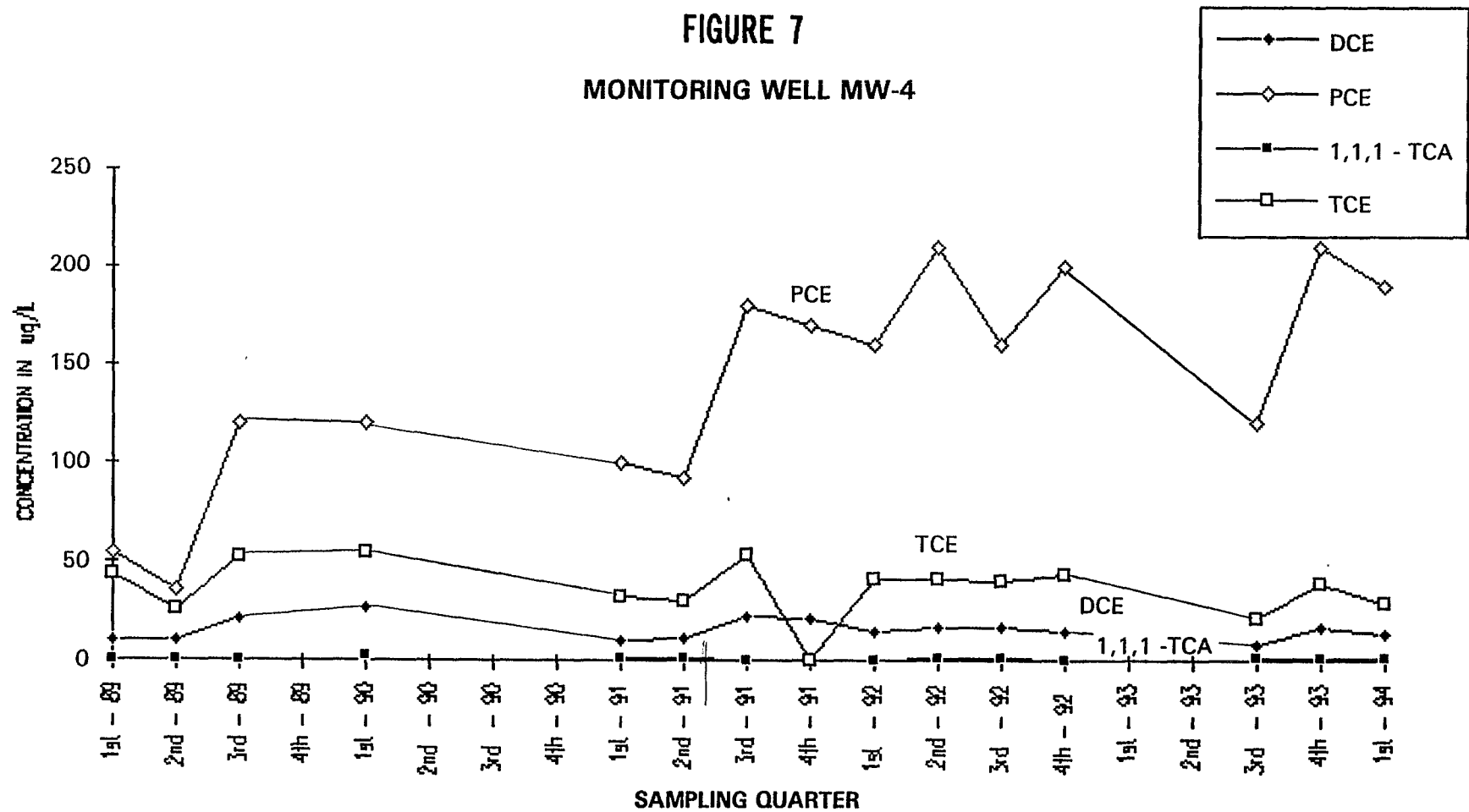
**FIGURE 5**  
**MONITORING WELL MW-2**



**FIGURE 6**  
**MONITORING WELL MW-3**



**FIGURE 7**  
**MONITORING WELL MW-4**



**FIGURE 8**  
**MONITORING WELL MW-5**

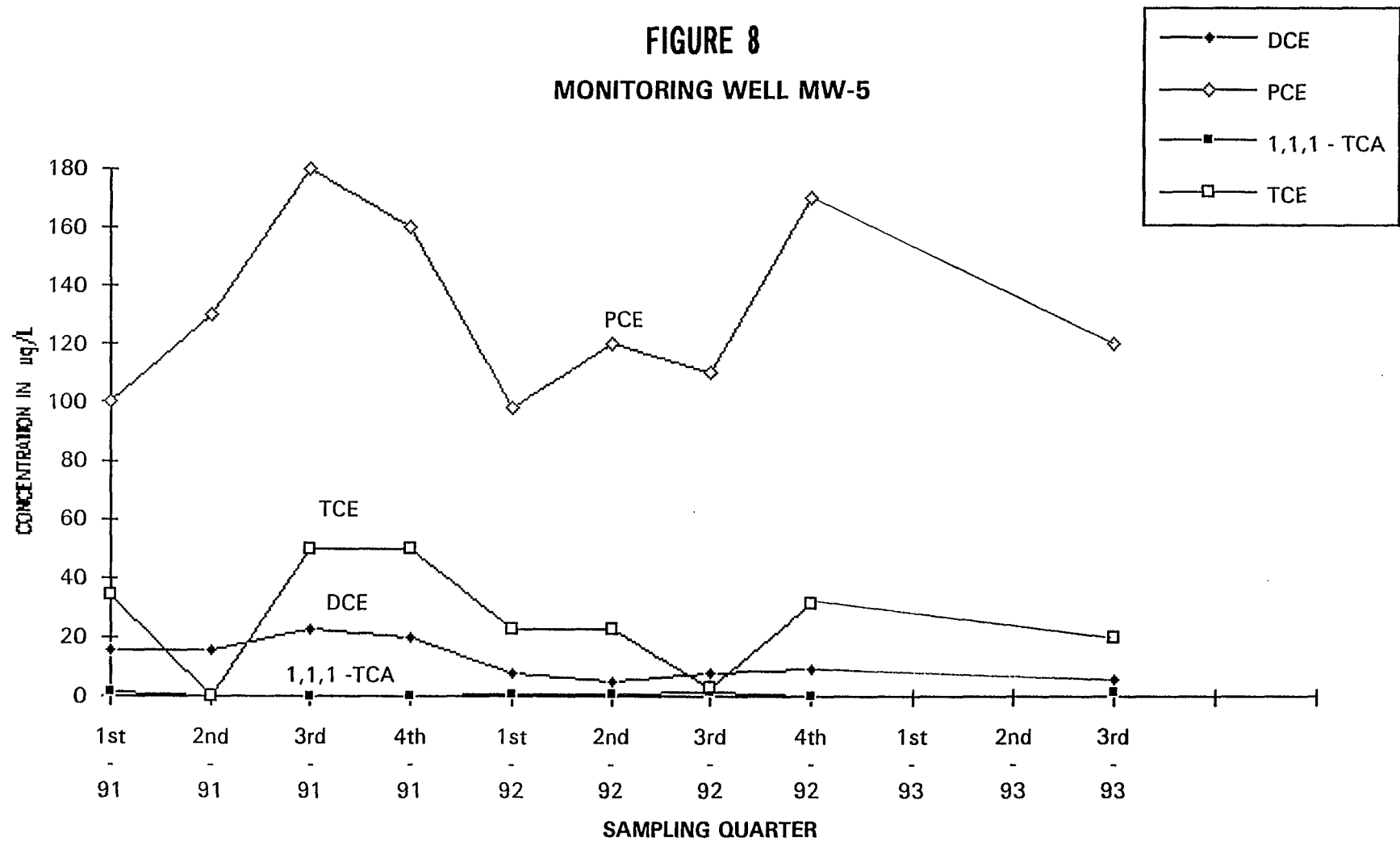


FIGURE 9  
PCE (MCL = 5 ug/L)

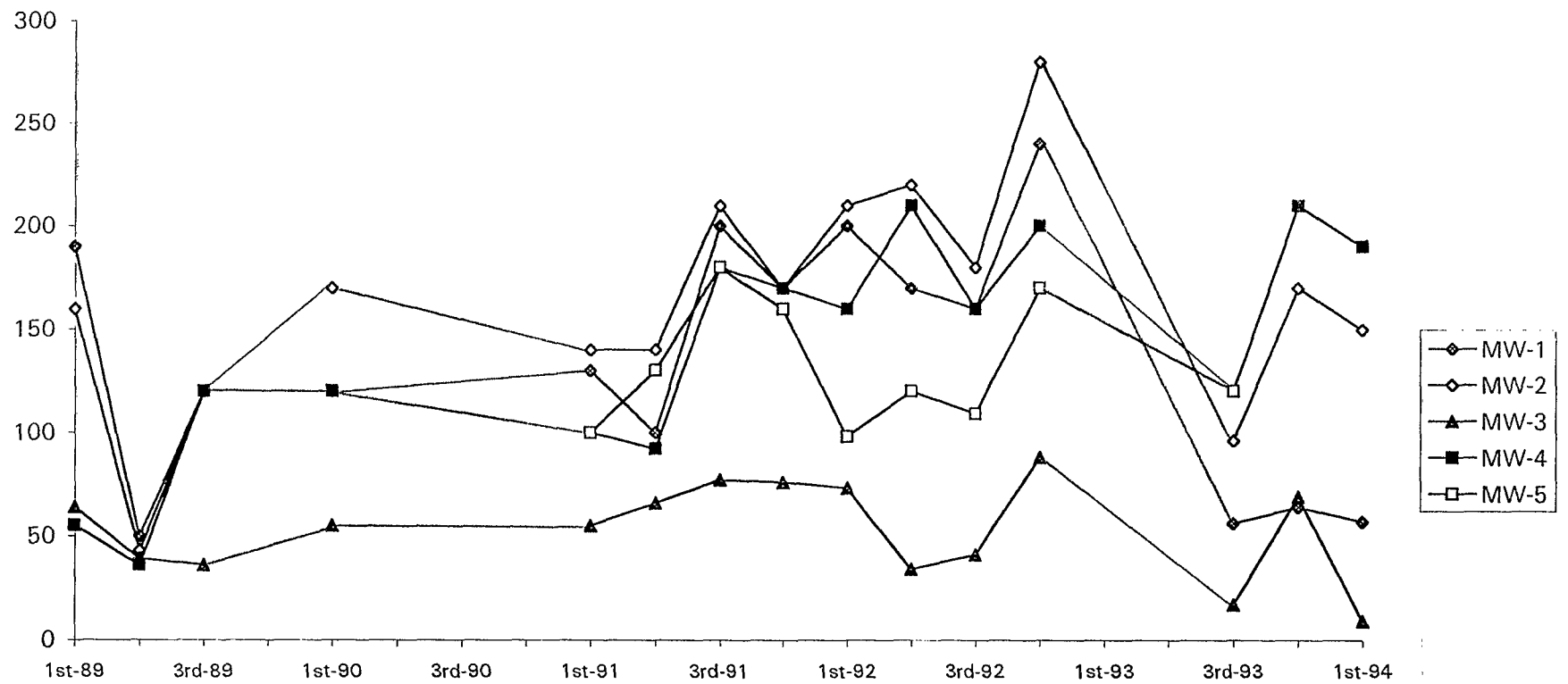




FIGURE 10

TCE (MCL = 5 ug/L)

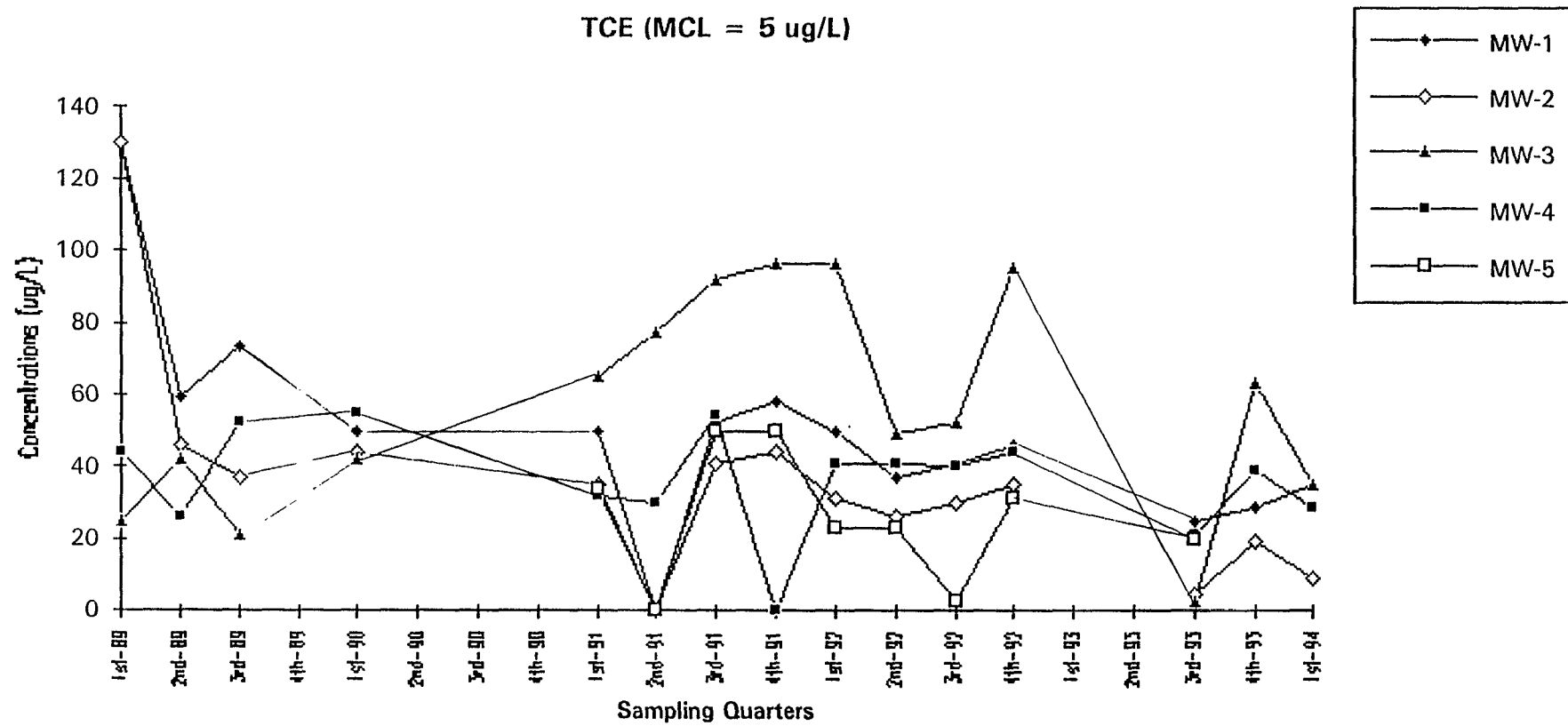
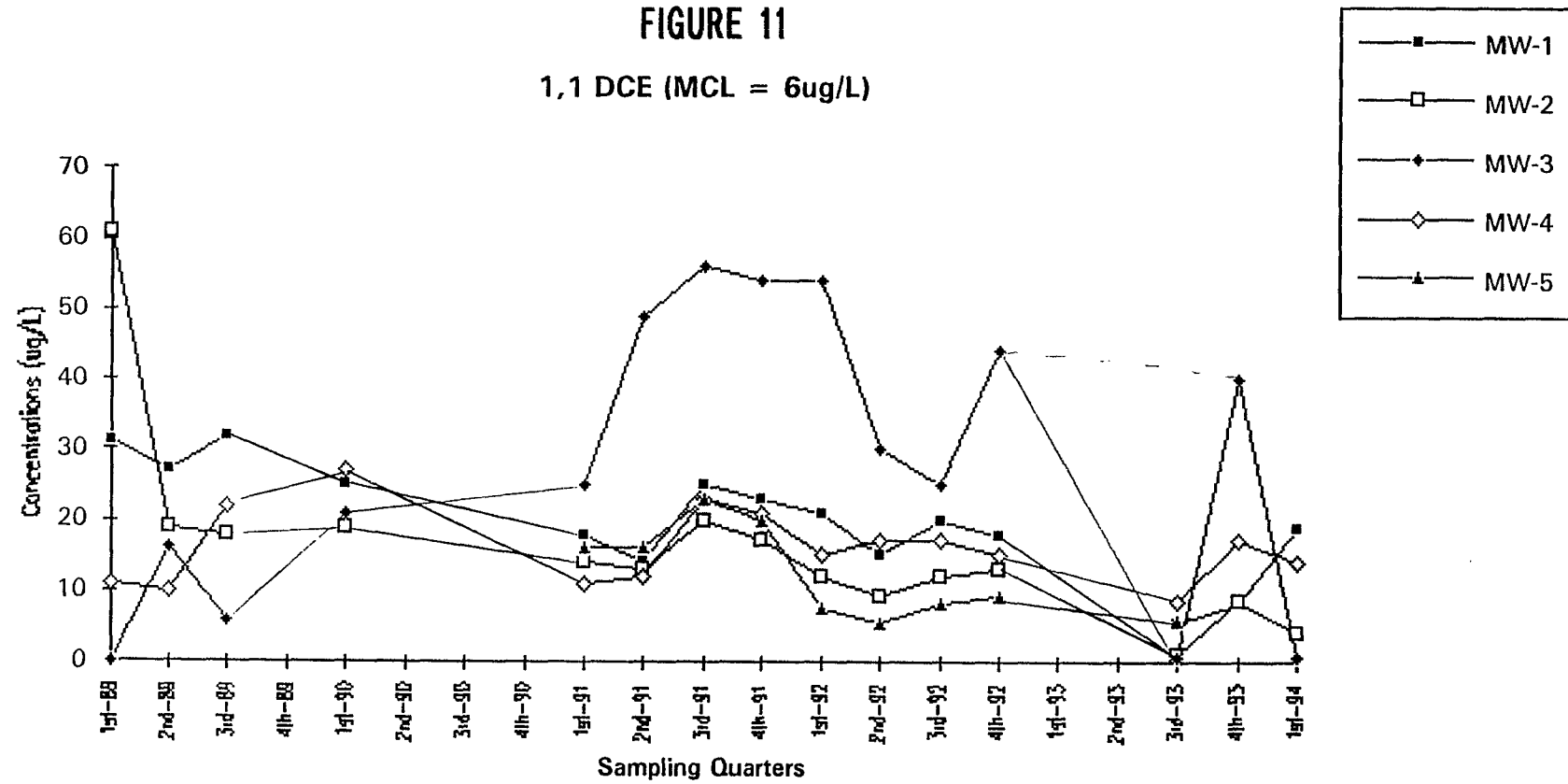


FIGURE 11

1,1 DCE (MCL = 6ug/L)



## TABLES

Table 1  
Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)  
for Volatile Organic Compounds  
at  
Stoody Company  
City of Industry, California  
Clayton Project No. 50923.03

Compound	Sampling Date	MW-1	MW-2	MW-3	MW-4	Field Blank	Method Blank	LOD for Compound	CAMCL and EPAMCL for Compound
Benzene	7-24-92	ND	ND	ND	ND	ND	ND	0.5	CAMCL: 1.0 EPAMCL: 5.0
	10-28-92	ND	ND	0.6	ND	ND	ND		
	12-11-92	ND	ND	ND	ND	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	12-20-93	ND	ND	ND	ND	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		
Carbon tetrachloride (CTC)	7-24-92	0.7*	ND	0.9*	0.8*	ND	ND	0.5	CAMCL: 0.5 EPAMCL: 5.0
	10-28-92	0.9*	0.7*	0.9*	0.8*	ND	ND		
	12-11-92	ND	ND	ND	ND	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	12-20-93	ND	ND	0.8*	0.5	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		
Chloroform	7-24-92	ND	ND	0.8	0.5	ND	ND	0.5	CAMCL & EPAMCL: 100
	10-28-92	0.6	0.5	0.8	0.6	ND	ND		
	12-11-92	ND	ND	1.2	ND	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	12-20-93	ND	ND	0.6	ND	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		

**Table 1 (Continued)**  
**Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)**  
**for Volatile Organic Compounds**  
**at**  
**Stoody Company**  
**City of Industry, California**  
**Clayton Project No. 50923.03**

Compound	Sampling Date	MW-1	MW-2	MW-3	MW-4	Field Blank	Method Blank	LOD for Compound	CAMCL and EPAMCL for Compound
2-Chlorotoluene	7-24-92	ND	ND	ND	ND	ND	ND	0.5	Unregulated
	10-28-92	ND	ND	0.6*	ND	ND	ND		
	12-11-92	ND	ND	ND	ND	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	12-20-93	ND	ND	ND	ND	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		
1,2-Dichloroethane (1,2-DCA)	7-24-92	ND	ND	0.60*	ND	ND	ND	0.5	CAMCL & EPAMCL: 0.5
	10-28-92	ND	ND	0.60*	ND	ND	ND		
	12-11-92	ND	ND	0.66*	ND	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	12-20-93	ND	ND	0.6*	ND	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		
1,1-Dichloroethene (1,1-DCE)	7-24-92	15*	9.3*	30*	17*	ND	ND	0.5	CAMCL: 6.0 EPAMCL: 7.0
	10-28-92	20*	12*	25*	17*	ND	ND		
	12-11-92	18*	13*	44*	15*	ND	ND		
	9-10-93	5.5	1.2	0.7	8.6*	ND	ND		
	12-20-93	8.1*	8.5*	40*	17*	ND	ND		
	3-4-94	19	4.3	0.9	14	ND	ND		

Table 1 (Continued)  
Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)  
for Volatile Organic Compounds  
at  
Stoody Company  
City of Industry, California  
Clayton Project No. 50923.03

Compound	Sampling Date	MW-1	MW-2	MW-3	MW-4	Field Blank	Method Blank	LOD for Compound	CAMCL and EPAMCL for Compound
Cis 1,2-Dichloroethene (Cis 1,2-DCE)	7-24-92	3.0	2.7	ND	3.9	ND	ND	0.5	CAMCL: 6.0 EPAMCL: 7.0
	10-28-92	3.8	3.5	0.5	4.7	ND	ND		
	12-11-92	3.9	3.4	0.83	4.1	ND	ND		
	9-10-93	ND	ND	ND	2.3	ND	ND		
	12-20-93	ND	1.0	ND	4.1	ND	ND		
	3-4-94	ND	ND	ND	3.2	ND	ND		
Ethylbenzene	7-24-92	ND	ND	ND	ND	ND	ND	0.5	CAMCL: 680 EPAMCL: 700
	10-28-92	ND	ND	0.8	ND	ND	ND		
	12-11-92	ND	ND	ND	ND	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	12-20-93	ND	ND	ND	ND	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		
Methylene chloride (MC)	7-24-92	ND	ND	ND	ND	ND	ND	0.5	CAMCL: NONE EPAMCL: 5.0
	10-28-92	ND	ND	ND	ND	ND	ND		
	12-11-92	2.7	ND	0.63	ND	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	12-20-93	ND	ND	ND	ND	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		

Table 1 (Continued)  
Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)  
for Volatile Organic Compounds  
at  
Stoody Company  
City of Industry, California  
Clayton Project No. 50923.03

Compound	Sampling Date	MW-1	MW-2	MW-3	MW-4	Field Blank	Method Blank	LOD for Compound	CAMCL and EPAMCL for Compound
Naphthalene	7-24-92	ND	ND	ND	ND	ND	ND	0.5	Unregulated
	10-28-92	ND	ND	1.6	ND	ND	ND		
	12-11-92	ND	ND	ND	ND	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		
Tetrachloroethene (PCE)	7-24-92	170*	220*	34*	210*	ND	ND	0.5	CAMCL: 5.0 EPAMCL: 5.0
	10-28-92	160*	180*	41*	160*	ND	ND		
	12-11-92	240*	280*	88*	200*	ND	ND		
	9-10-93	56*	96*	17*	120*	ND	ND		
	12-20-93	64*	170*	69*	210*	ND	ND		
	3-4-94	67	150	9.3	190	ND	ND		
Toluene	7-24-92	ND	ND	ND	ND	ND	ND	0.5	CAMCL: Unregulated EPAMCL: 1,000
	10-28-92	ND	ND	0.8	ND	ND	ND		
	12-11-92	ND	ND	ND	0.30	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	12-20-93	ND	ND	ND	ND	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		

Table 1 (Continued)  
Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)  
for Volatile Organic Compounds  
at  
Stoody Company  
City of Industry, California  
Clayton Project No. 50923.03

Compound	Sampling Date	MW-1	MW-2	MW-3	MW-4	Field Blank	Method Blank	LOD for Compound	CAMCL and EPAMCL for Compound
1,1,1-Trichloroethane (1,1,1-TCA)	7-24-92	1.4	2.9	2.4	1.8	ND	ND	0.5	CAMCL: 200  EPAMCL: 200
	10-28-92	1.7	3.2	2.4	1.8	ND	ND		
	12-11-92	ND	3.3	4.3	ND	ND	ND		
	9-10-93	ND	1.2	ND	1.5	ND	ND		
	12-20-93	0.5	1.5	2.5	1.8	ND	ND		
	3-4-94	1.7	0.7	ND	1.2	ND	ND		
Trichloroethene (TCE)	7-24-92	37*	26*	49*	41*	ND	ND	0.5	CAMCL: 5.0  EPAMCL: 5.0
	10-28-92	41*	30*	52*	40*	ND	ND		
	12-11-92	46*	35*	95*	44*	ND	ND		
	9-10-93	25*	4.7	2.5	21*	ND	ND		
	12-20-93	29*	19*	63*	39*	ND	ND		
	3-4-94	35	9.2	5.4	29	ND	ND		
Trichlorofluoro-methane (TCFM)	7-24-92	2.7	2.3	0.6	4.8	ND	ND	0.5	CAMCL: 150  EPAMCL: Unregulated
	10-28-92	3.0	2.2	ND	3.5	ND	ND		
	12-11-92	3.3	2.7	0.56	2.9	ND	ND		
	9-10-93	ND	0.6	ND	2.0	ND	ND		
	12-20-93	ND	1.2	ND	3.2	ND	ND		
	3-4-94	ND	0.9	ND	3.7	ND	ND		



Table 1 (Continued)  
Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)  
for Volatile Organic Compounds  
at  
Stoody Company  
City of Industry, California  
Clayton Project No. 50923.03

Compound	Sampling Date	MW-1	MW-2	MW-3	MW-4	Field Blank	Method Blank	LOD for Compound	CAMCL and EPAMCL for Compound
1,2,4-Trimethylbenzene (1,2,4-TMB)	7-24-92	ND	ND	ND	ND	ND	ND	0.5	Unregulated
	10-28-92	ND	ND	2.6	ND	ND	ND		
	12-11-92	ND	ND	ND	ND	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	12-20-93	ND	ND	ND	ND	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		
1,3,5-Trimethylbenzene (1,3,5-TMB)	7-24-92	ND	ND	ND	ND	ND	ND	0.5	Unregulated
	10-28-92	ND	ND	2.1	ND	ND	ND		
	12-11-92	ND	ND	ND	ND	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	12-20-93	ND	ND	ND	ND	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		
o-Xylene	7-24-92	ND	ND	ND	ND	ND	ND	0.5	CAMCL: 1,750  EPAMCL: 10,000
	10-28-92	ND	ND	1.1	ND	ND	ND		
	12-11-92	ND	ND	ND	ND	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	12-20-93	ND	ND	ND	ND	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		

Table 1 (Continued)  
 Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)  
 for Volatile Organic Compounds  
 at  
 Stooddy Company  
 City of Industry, California  
 Clayton Project No. 50923.03

Compound	Sampling Date	MW-1	MW-2	MW-3	MW-4	Field Blank	Method Blank	LOD for Compound	CAMCL and EPAMCL for Compound
p, m-Xylenes	7-24-92	ND	ND	ND	ND	ND	ND	0.5	CAMCL: 1,750  EPAMCL: 10,000
	10-28-92	ND	ND	3.6	ND	ND	ND		
	12-11-92	ND	ND	ND	ND	ND	ND		
	9-10-93	ND	ND	ND	ND	ND	ND		
	12-20-93	ND	ND	ND	ND	ND	ND		
	3-4-94	ND	ND	ND	ND	ND	ND		
Freon 113 (1,1,2-Trichloro -1,2,2-Trifluoroethane)	7-24-92	ND	ND	ND	ND	ND	ND	0.5	CAMCL: 1,200  EPAMCL: Unregulated
	10-28-92	14	7.7	15	13	ND	ND		
	12-11-93	ND	ND	ND	ND	ND	ND		
	9-10-93	0.7	2.9	0.9	7.6	ND	ND		
	12-20-93	ND	7.3	25	13	ND	ND		
	3-4-94	1.9	4.0	ND	8.4	ND	ND		

ND: Not detected at or above limit of detection

NT: Not Tested

EPAMCL: Environmental Protection Agency Maximum Contaminant Level

LOD: Limit of detection

ug/L: Micrograms per liter (generally equivalent to parts per billion)

CAMCL: State of California DOHS, Primary Maximum Contaminant Level

\*Reported concentration is above CAMCL and/or EPAMCL

Note: Monitoring Well MW-5 was removed during the remediation activities on October 1993

**Table 2**  
**Groundwater Monitoring Well Data**  
**at**  
**Stoody Company**  
**City of Industry, California**  
**Clayton Project No. 50923.03**  
**Measurement Date: March 4, 1994**

Elevations (feet)				
Monitoring Well	MW-1	MW-2	MW-3	MW-4
California Coordinates Northerly	4 115 352.91	4 115 446.16	4 115 618.47	4 115 317.93
California Coordinates Easterly	4 304 877.74	4 305 930.76	4 304 433.56	4 305 006.96
Elevation at top of well casing (MSL)	352.18	351.12	349.34	353.55
Date of Measurements	3/4/94	3/4/94	3/4/94	3/4/94
Total depth of well from top of casing	47.70	46.40	46.02	51.23
Depth to water from top of casing	24.50	23.36	24.92	25.23
Elevation of water (MSL)	327.68	327.76	324.42	328.32

MSL: Elevation above Mean Sea Level

**Table 3**  
**Summary Table of Groundwater Elevations**

Stoody Company  
City of Industry, California  
Clayton Project No. 50923.03

Measurement Date	MW-1 (feet)	MW-2 (feet)	MW-3 (feet)	MW-4 (feet)
1/29/92	320.42	320.47	316.59	321.14
2/16/92	322.12	322.23	318.33	322.87
3/23/92	322.46	322.58	318.58	323.19
4/9/92	322.48	322.52	318.58	323.21
5/19/92	322.80	322.88	318.79	323.53
6/17/92	322.72	322.78	318.78	323.45
7/6/92	322.67	322.63	318.77	323.26
8/25/92	323.00	322.08	319.13	323.73
9/25/92	322.92	321.98	318.97	323.59
10/28/92	322.86	322.90	319.14	325.35
11/19/92	322.88	322.94	319.35	325.59
12/19/92	323.19	325.25	319.50	324.89
9/10/93	328.04	327.10	324.64	328.69
10/11/93	327.91	327.95	324.62	328.56
12/20/93	327.91	327.98	325.11	328.59
3/4/94	327.68	327.76	324.42	328.32

Note: Groundwater elevations are shown in feet above mean sea level

Table 4  
Summary Table of Results for EPA Method 180.1  
for Turbidity  
at  
Stoody Company  
City of Industry, California  
Clayton Project No. 50923.03  
Sampling Date: March 4, 1994

Sample Identification	Turbidity (N.T.U.)*
MW-1-B	7.1
MW-2-B	5.5
MW-3-B	4.2
MW-4-B	4.2
Blank	<0.1

\*N.T.U.: Nephelometric Turbidity Units  
Limit of detection: 0.1 N.T.U.

**Table 5**  
**Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)**  
**for Volatile Organic Compounds**  
**at**

**Stoody Company**  
**City of Industry, California**  
**Clayton Project No. 50923.03**

**Monitoring Well MW-1**

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
1,1-Dichloroethene (DCE)  MCL= 6 ug/L	1st - 89	2/2/89	31
	2nd - 89	8/2/89	27
	3rd - 89	10/16/89	32
	1st - 90	4/24/90	25
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	18
	2nd - 91	5/14/91	14
	3rd - 91	8/14/91	25
	4th - 91	11/1/91	23
	1st - 92	3/24/92	21
	2nd - 92	7/24/92	15
	3rd - 92	10/28/92	20
	4th - 92	12/11/92	18
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	5.5
	4th - 93	12/20/93	8.1
	1st - 94	3/4/94	19
Tetrachloroethene (PCE)  MCL = 5 ug/L	1st - 89	2/2/89	190
	2nd - 89	8/2/89	49
	3rd - 89	10/16/89	120
	1st - 90	4/24/90	120

**Table 5 (continued)**  
**Monitoring Well MW-1**

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
Tetrachloroethene  (PCE)  MCL = 5 ug/L	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	130
	2nd - 91	5/14/91	100
	3rd - 91	8/14/91	200
	4th - 91	11/1/91	170
	1st - 92	3/24/92	200
	2nd - 92	7/24/92	170
	3rd - 92	10/28/92	160
	4th - 92	12/11/92	240
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	56
	4th - 93	12/20/93	64
	1st - 94	3/4/94	67
	1st - 89	2/2/89	ND
1,1,1-Trichloethane (1,1,1-TCA)  MCL = 200 ug/L	2nd - 89	8/2/89	ND
	3rd - 89	10/16/89	3
	1st - 90	4/24/90	2.5
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	1.9
	2nd - 91	5/14/91	ND
	3rd - 91	8/14/91	ND
	4th - 91	11/1/91	ND
	1st - 92	3/24/92	ND
	2nd - 92	7/24/92	1.4
	3rd - 92	10/28/92	1.7

**Table 5 (continued)**  
**Monitoring Well MW-1**

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
1,1,1-Trichloethane (1,1,1-TCA)  MCL = 200 ug/L	4th - 92	12/11/92	ND
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	ND
	4th - 93	12/20/93	0.5
	1st - 94	3/4/94	1.7
Trichloroethene (TCE)  MCL = 5 ug/L	1st - 89	2/2/89	130
	2nd - 89	8/2/89	59
	3rd - 89	10/16/89	73
	1st - 90	4/24/90	50
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	50
	2nd - 91	5/14/91	ND
	3rd - 91	8/14/91	52
	4th - 91	11/1/91	58
	1st - 92	3/24/92	50
	2nd - 92	7/24/92	37
	3rd - 92	10/28/92	41
	4th - 92	12/11/92	46
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	25
	4th - 93	12/20/93	29
	1st - 94	3/4/94	35



Table 5 (continued)  
 Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)  
 for Volatile Organic Compounds  
 at  
 Stody Company  
 City of Industry, California  
 Clayton Project No. 50923.03

Monitoring Well MW-2

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
1,1 Dichloroethene (1,1-DCE) MCL = 6 ug/L	1st - 89	2/2/89	61
	2nd - 89	8/2/89	19
	3rd - 89	10/16/89	18
	1st - 90	4/24/90	19
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	14
	2nd - 91	5/14/91	13
	3rd - 91	8/14/91	20
	4th - 91	11/1/91	17
	1st - 92	3/24/92	12
	2nd - 92	7/24/92	9.3
	3rd - 92	10/28/92	12
	4th - 92	12/11/92	13
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	1.2
	4th - 93	12/20/93	8.5
	1st - 94	3/4/94	4.3
Tetrachloroethene (PCE) MCL = 5 ug/L	1st - 89	2/2/89	160
	2nd - 89	8/2/89	43
	3rd - 89	10/16/89	120
	1st - 90	4/24/90	170

**Table 5 (continued)**  
**Monitoring Well MW-2**

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
Tetrachloroethene  (PCE)  MCL = 5 ug/L	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	140
	2nd - 91	5/14/91	140
	3rd - 91	8/14/91	210
	4th - 91	11/1/91	170
	1st - 92	3/24/92	210
	2nd - 92	7/24/92	220
	3rd - 92	10/28/92	180
	4th - 92	12/11/92	280
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	96
	4th - 93	12/20/93	170
	1st -94	3/4/94	150
1,1,1-Trichloroethane (1,1,1-TCA)  MCL = 200 ug/L	1st - 89	2/2/89	ND
	2nd - 89	8/2/89	ND
	3rd - 89	10/16/89	ND
	1st - 90	4/24/90	3.3
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	2.5
	2nd - 91	5/14/91	ND
	3rd - 91	8/14/91	4.7
	4th - 91	11/1/91	3.1
	1st - 92	3/24/92	3.5
	2nd - 92	7/24/92	2.9
	3rd - 92	10/28/92	3.2

**Table 5 (continued)**  
**Monitoring Well MW-2**

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
	4th - 92	12/11/92	3.3
1,1,1-Trichloroethane  (1,1,1-TCA) MCL = 200 ug/L	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	1.2
	4th - 93	12/20/93	1.5
	1st -94	3/4/94	0.7
Trichloroethene (TCE) MCL = 5.0 ug/L	1st - 89	2/2/89	130
	2nd - 89	8/2/89	46
	3rd - 89	10/16/89	37
	1st - 90	4/24/90	44
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	35
	2nd - 91	5/14/91	ND
	3rd - 91	8/14/91	41
	4th - 91	11/1/91	44
	1st - 92	3/24/92	31
	2nd - 92	7/24/92	26
	3rd - 92	10/28/92	30
	4th - 92	12/11/92	35
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	4.7
	4th - 93	12/20/93	19
	1st -94	3/4/94	9.2

**Table 5**  
**Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)**  
**for Volatile Organic Compounds**  
**at**  
**Stoody Company**  
**City of Industry, California**  
**Clayton Project No. 50923.03**  
  
**Monitoring Well MW-3**

COMPOUND	Sampling Quarter	Sampling Date	Concentration
1,1-Dichloroethene (1,1-DCE) MCL = 6 ug/L	1st - 89	2/2/89	ND
	2nd - 89	8/2/89	16
	3rd - 89	10/16/89	6
	1st - 90	4/24/90	21
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	25
	2nd - 91	5/14/91	49
	3rd - 91	8/14/91	56
	4th - 91	11/1/91	54
	1st - 92	3/24/92	54
	2nd - 92	7/24/92	30
	3rd - 92	10/28/92	25
	4th - 92	12/11/92	44
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93/	0.7
	4th - 93	12/20/93	40
	1st - 94	3/4/94	0.9
Tetrachloroethene (PCE) MCL = 5 ug/L	1st - 89	2/2/89	64
	2nd - 89	8/2/89	39
	3rd - 89	10/16/89	36
	1st - 90	4/24/90	55

**Table 5 (continued)**  
**Monitoring Well MW-3**

COMPOUND	Sampling Quarter	Sampling Date	Concentration
Tetrachloroethene  (PCE)  MCL = 5 ug/L	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	55
	2nd - 91	5/14/91	66
	3rd - 91	8/14/91	77
	4th - 91	11/1/91	76
	1st - 92	3/24/92	73
	2nd - 92	7/24/92	34
	3rd - 92	10/28/92	41
	4th - 92	12/11/92	88
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	17
	4th - 93	12/20/93	69
	1st - 94	3/4/94	9.3
1,1,1-Trichloroethane (1,1,1-TCA)  MCL = 200 ug/L	1st - 89	2/2/89	ND
	2nd - 89	8/2/89	ND
	3rd - 89	10/16/89	ND
	1st - 90	4/26/90	2.5
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	5.1
	2nd - 91	5/14/91	7.6
	3rd - 91	8/14/91	7.5
	4th - 91	11/1/91	8.7
	1st - 92	3/24/92	5.9
1,1,1-Trichloroethane	2nd - 92	7/24/92	2.4

**Table 5 (continued)**  
**Monitoring Well MW-3**

COMPOUND	Sampling Quarter	Sampling Date	Concentration
(1,1,1-TCA) MCL = 200 ug/L	3rd - 92	10/28/92	2.4
	4th - 92	12/11/92	4.3
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	ND
	4th - 93	12/20/93	2.5
	1st - 94	3/4/94	
Trichloroethene (TCE) MCL = 5 ug/L	1st - 89	2/2/89	25
	2nd - 89	8/2/89	42
	3rd - 89	10/16/89	21
	1st - 90	4/26/90	42
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	65
	2nd - 91	5/14/91	77
	3rd - 91	8/14/91	92
	4th - 91	11/1/91	96
	1st - 92	3/24/92	96
	2nd - 92	7/24/92	49
	3rd - 92	10/28/92	52
	4th - 92	12/11/92	95
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	2.5
	4th - 93	12/20/93	63
	1st - 94	3/4/94	35

Table 5 (continued)  
 Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)  
 for Volatile Organic Compounds  
 at  
 Stooddy Company  
 City of Industry, California  
 Clayton Project No. 50923.03

Monitoring Well MW-4

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
1,1-Dichloroethene (1,1-DCE) 6 ug/L	1st - 89	2/2/89	11
	2nd - 89	8/2/89	10
	3rd - 89	10/16/89	22
	1st - 90	4/24/90	27
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	11
	2nd - 91	5/14/91	12
	3rd - 91	8/14/91	23
	4th - 91	11/1/91	21
	1st - 92	3/24/92	15
	2nd - 92	7/24/92	17
	3rd - 92	10/28/92	17
	4th - 92	12/11/92	15
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	8.6
	4th - 93	12/20/93	17
	1st - 94	3/4/94	14
Tetrachloroethene (PCE) MCL = 5 ug/L	1st - 89	2/2/89	55
	2nd - 89	8/2/89	36
	3rd - 89	10/16/89	120

**Table 5 (continued)**  
**Monitoring Well MW-4**

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
Tetrachloroethene (PCE)  MCL = 5 ug/L	1st - 90	4/24/90	120
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	100
	2nd - 91	5/14/91	92
	3rd - 91	8/14/91	180
	4th - 91	11/1/91	170
	1st - 92	3/24/92	160
	2nd - 92	7/24/92	210
	3rd - 92	10/28/92	160
	4th - 92	12/11/92	200
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	120
	4th - 93	12/20/93	210
	1st - 94	3/4/94	190
1,1,1-Trichloroethane (1,1,1-TCA)  MCL = 200 ug/L	1st - 89	2/2/89(3/30/89	ND
	2nd - 89	8/2/89	ND
	3rd - 89	10/16/89	ND
	1st - 90	4/24/90	3.1
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	1.4
	2nd - 91	5/14/91	1.1
	3rd - 91	8/14/91	ND
	4th - 91	11/1/91	ND
	1st - 92	3/24/92	ND
	2nd - 92	7/24/92	1.8



**Table 5 (continued)**  
**Monitoring Well MW-4**

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
1,1,1-Trichloroethane (1,1,1-TCA) MCL = 200 ug/L	3rd - 92	10/28/92	1.8
	4th - 92	12/11/92	ND
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	1.5
	4th - 93	12/20/93	1.8
	1st - 94	3/4/94	1.2
Trichloroethene (TCE) MCL = 5 ug/L	1st - 89	2/2/89(3/30/89)	44
	2nd - 89	8/2/89	26
	3rd - 89	10/16/89	52
	1st - 90	4/24/90	55
	NO SAMPLING PERFORMED		
	1st - 91	12/27/90	32
	2nd - 91	5/14/91	30
	3rd - 91	8/14/91	54
	4th - 91	11/1/91	ND
	1st - 92	3/24/92	41
	2nd - 92	7/24/92	41
	3rd - 92	10/28/92	40
	4th - 92	12/11/92	44
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	21
	4th - 93	12/20/93	39
	1st - 94	3/4/94	29

**Table 5 (continued)**  
**Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)**  
**for Volatile Organic Compounds**  
**at**

**Stoody Company**  
**City of Industry, California**  
**Clayton Project No. 50923.03**

**Monitoring Well MW-5**

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
1,1-Dichloroethene (1,1-DCE) MCL = 6 ug/L	1st - 91	2/13/91	16
	2nd - 91	5/14/91	16
	3rd - 91	8/14/91	23
	4th - 91	11/1/91	20
	1st - 92	3/24/92	7.7
	2nd -92	7/24/92	5.4
	3rd - 92	10/28/92	8.2
	4th - 92	12/11/92	9.4
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	5.9
	4th - 93	10/26/93	Well abandoned
Tetrachloroethene (PCE) MCL = 5 ug/L	1st - 91	2/13/91	100
	2nd - 91	5/14/91	130
	3rd - 91	8/14/91	180
	4th - 91	11/1/91	160
	1st - 92	3/24/92	98
	2nd -92	7/24/92	120
	3rd - 92	10/28/92	110
	4th - 92	12/11/92	170
	NO SAMPLING PERFORMED		

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
Tetrachloroethene (PCE)	3rd - 93	9/10/93	120
	4th - 93	10/26/93	Well abandoned
1,1,1-Trichloroethane (1,1,1-TCA) MCL = 200 ug/L	1st - 91	2/13/91	1.8
	2nd - 91	5/14/91	ND
	3rd - 91	8/14/91	ND
	4th - 91	11/1/91	ND
	1st - 92	3/24/92	1.1
	2nd - 92	7/24/92	1.0
	3rd - 92	10/28/92	1.2
	4th - 92	12/11/92	ND
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	1.4
	4th - 93	10/26/93	Well abandoned
Trichloroethene (TCE) MCL = 5 ug/L	1st - 91	2/13/91	34
	2nd - 91	5/14/91	ND
	3rd - 91	8/14/91	50
	4th - 91	11/1/91	50
	1st - 92	3/24/92	23
	2nd - 92	7/24/92	23
	3rd - 92	10/28/92	2.8
	4th - 92	12/11/92	31
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	20
	4th - 93	10/26/93	Well abandoned

Table 5 (continued)  
Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)  
for Volatile Organic Compounds  
at  
Stoody Company  
City of Industry, California  
Clayton Project No. 50923.03

Monitoring Well MW-5

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
1,1-Dichloroethene (1,1-DCE) MCL = 6 ug/L	1st - 91	2/13/91	16
	2nd - 91	5/14/91	16
	3rd - 91	8/14/91	23
	4th - 91	11/1/91	20
	1st - 92	3/24/92	7.7
	2nd -92	7/24/92	5.4
	3rd - 92	10/28/92	8.2
	4th - 92	12/11/92	9.4
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	5.9
Tetrachloroethene (PCE) MCL = 5 ug/L	4th - 93	10/26/93	Well abandoned
	1st - 91	2/13/91	100
	2nd - 91	5/14/91	130
	3rd - 91	8/14/91	180
	4th - 91	11/1/91	160
	1st - 92	3/24/92	98
	2nd -92	7/24/92	120
	3rd - 92	10/28/92	110
	4th - 92	12/11/92	170

**Table 5 (continued)**  
**Monitoring Well MW-5**

COMPOUND	Sampling Quarter	Sampling Date	Concentration ug/L
Tetrachloroethene  (PCE)	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	120
	4th - 93	10/26/93	Well abandoned
1,1,1-Trichloroethane (1,1,1-TCA) MCL = 200 ug/L	1st - 91	2/13/91	1.8
	2nd - 91	5/14/91	ND
	3rd - 91	8/14/91	ND
	4th - 91	11/1/91	ND
	1st - 92	3/24/92	1.1
	2nd - 92	7/24/92	1.0
	3rd - 92	10/28/92	1.2
	4th - 92	12/11/92	ND
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	1.4
	4th - 93	10/26/93	Well abandoned
Trichloroethene (TCE) MCL = 5 ug/L	1st - 91	2/13/91	34
	2nd - 91	5/14/91	ND
	3rd - 91	8/14/91	50
	4th - 91	11/1/91	50
	1st - 92	3/24/92	23
	2nd - 92	7/24/92	23
	3rd - 92	10/28/92	2.8
	4th - 92	12/11/92	31
	NO SAMPLING PERFORMED		
	3rd - 93	9/10/93	20

Table 5 (continued)  
Monitoring Well MW-5

COMPOUND	Sampling Quarter	Sampling Date	Concentrartion ug/L
	4th - 93	10/26/93	Well abandoned

**APPENDIX A**  
**GROUNDWATER SAMPLING FORMS**

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.**  
**WATER SAMPLING FIELD SURVEY FORM**

Job No: 50923.03

Site: Stood Company, Industry

Date: 3/4/94

Well No: MW-4

Sampling Team: Williamson

Sampling Method: Grunfos purge pump and bailer

Field Conditions: Overcast/cool

Describe Equipment Decontamination Before Sampling This Well:

Three-stage Alconox detergent wash, potable water rinse, double rinsed in deionized water

Total Depth  
of Well:

51.23 feet

Time:

9:12

Depth to Water  
Before Purging:

25.23 feet

Height of Water  
Column:

Diameter  
2-inch

Diameter  
4-inch

Volume

Purge  
Factor

Volume  
To Purge

26.0 feet

\*

.16

.65

=

17 gal

\*

3

=

51 gal

Depth Purging From: 35 feet

Time Purging Begins: 9:26

**PURGING PARAMETERS**

Time	Volume Purged (gallons)	pH	Conductivity ( $\times 10^3$ )	T (°F)	Comments
9:28	4	6.36	1.34	70.0	Clear, no odor
9:40	20	6.52	1.21	71.0	
9:45	35	6.10	1.26	71.3	
9:56	51	6.54	1.38	72.2	

**SAMPLING PARAMETERS**

Time	Volume Sampled (gallons)	pH	Conductivity ( $\times 10^3$ )	T (°F)	Comments
10:26	1 bailer	6.26	1.35	68.8	Clear, no odor

Comments:



**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.**  
**WATER SAMPLING FIELD SURVEY FORM**

Job No: 50923.03

Site: Stooddy Company

Date: 3/4/94

Well No: MW-1

Sampling Team: Williamson

Sampling Method: Grunfos purge pump and bailer

Field Conditions: Sunny, 72 °F

Describe Equipment Decontamination Before Sampling This Well:

Three-stage Alconox detergent wash, potable water rinse, double rinsed in deionized water

Total Depth  
of Well:

47.70 feet

Time:

10:39

Depth to Water  
Before Purging:

24.50 feet

Height of Water  
Column:

Diameter  
2-inch

Diameter  
4-inch

Volume

Purge  
Factor

Volume  
To Purge

23.20 feet

\*

.16

.65

=

15.08 gal

\*

3

=

45 gal

Depth Purging From: 35 feet

Time Purging Begins: 10:54

**PURGING PARAMETERS**

Time	Volume Purged (gallons)	pH	Conductivity (x10 <sup>3</sup> )	T (°F)	Comments
11:02	10	6.25	1.77	71.2	Clear, no odor
11:09	20	6.29	1.63	72.0	
11:15	35	6.08	1.52	71.8	
11:22	45	5.98	1.48	71.2	

**SAMPLING PARAMETERS**

Time	Volume Sampled (gallons)	pH	Conductivity (x10 <sup>3</sup> )	T (°F)	Comments
11:33	1 bailer	6.12	1.71	70.4	Clear, no odor

Comments: Water inside well-box

# CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

## WATER SAMPLING FIELD SURVEY FORM

Job No: 50923.03

Site: Stooddy Company

Date: 3/4/94

Well Nö: MW-2

Sampling Team: Williamson

Sampling Method: Grunfos purge pump and bailer

Field Conditions: Sunny and warm

Describe Equipment Decontamination Before Sampling This Well:

Three-stage Alconox detergent wash, potable water rinse, double rinsed in deionized water

Total Depth  
of Well:

46.4 feet

Time: 12:42

Depth to Water  
Before Purging:

23.36 feet

Height of Water  
Column:

Diameter  
2-inch

Diameter  
4-inch

Volume

Purge  
Factor

Volume  
To Purge

23.04 feet

\*

.16

.65

=

15.0 gal

\*

3

=

45 gal

Depth Purging From: 37 feet

Time Purging Begins: 12:55

### PURGING PARAMETERS

Time	Volume Purged (gallons)	pH	Conductivity (x10 <sup>3</sup> )	T (°F)	Comments
13:00	10	6.53	1.36	71.7	Clear, no odor
13:06	20	6.44	1.28	71.2	
13:11	30	6.34	1.33	70.6	
13:18	45	6.44	1.30	70.2	

### SAMPLING PARAMETERS

Time	Volume Sampled (gallons)	pH	Conductivity (x10 <sup>3</sup> )	T (°F)	Comments
13:30	1 bailer	6.55	1.28	70.4	Clear, no odor

Comments:

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.  
WATER SAMPLING FIELD SURVEY FORM**

Job No: 50923.03

Site: Stood Company

Date: 3/4/94

Well No: MW-3

Sampling Team: Williamson

Sampling Method: Grunfos purge pump and bailer

Field Conditions: Sunny, warm

Describe Equipment Decontamination Before Sampling This Well:

Three-stage Alconox detergent wash, potable water rinse, double rinsed in deionized water

Total Depth  
of Well:

46.02 feet

Time:

14:00

Depth to Water  
Before Purging:

24.92 feet

Height of Water  
Column:

Diameter  
2-inch

Diameter  
4-inch

Volume

Purge  
Factor

Volume  
To Purge

21.10 feet

\*

.16

.65

=

13.7 gal

\*

3

=

42 gal

Depth Purging From: 37 feet

Time Purging Begins: 14:05

**PURGING PARAMETERS**

Time	Volume Purged (gallons)	pH	Conductivity (x10 <sup>3</sup> )	T (°F)	Comments
14:10	10	6.24	1.54	71.3	Clear, no odor
14:16	20	6.30	1.53	71.6	
14:21	30	5.90	1.48	71.2	
14:26	42	6.09	1.46	71.6	

**SAMPLING PARAMETERS**

Time	Volume Sampled (gallons)	pH	Conductivity (x10 <sup>3</sup> )	T (°F)	Comments
14:37	1 bailer	6.18	1.65	70.3	Clear, no odor

Comments:

**APPENDIX B**

**LABORATORY REPORTS  
AND  
CHAIN-OF-CUSTODY FORMS**

Western Operations

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

March 15, 1994

Mr. Gustavo Valdivia  
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.  
5785 Corporate Ave., Ste. 150  
Cypress, CA 90630

Client Ref.: 50923.03  
Clayton Project No.: 94030.83

Dear Mr. Valdivia:

Attached is our analytical laboratory report for the samples received on March 5, 1994. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of after April 14, 1994, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Suzanne Silvera, Client Services Supervisor, at (510) 426-2657.

Sincerely,

*Michael Lynch for*

Harriotte A. Hurley, CIH  
Director, Laboratory Services  
Western Operations

HAH/tjb

Attachments

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Identification: See Below  
Number: 9403083  
Matrix/Media: WATER  
Reference: EPA 180.1

Date Received: 03/05/94  
Date Analyzed: 03/08/94

Sample Identification	Date Sampled	Turbidity (N.T.U.)	Method Detection Limit (N.T.U.)
W1-B	03/04/94	7.1	0.1
MW2-A	03/04/94	5.5	0.1
MW3-B	03/04/94	4.2	0.1
W4-B	03/04/94	4.2	0.1
METHOD BLANK	--	<0.1	0.1

Not detected at or above limit of detection  
Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: MW1-A  
Lab Number: 9403083-01A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: 03/04/94  
Date Received: 03/05/94  
Date Analyzed: 03/14/94  
Analyst: ASC

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds</u>			
Acetone	67-64-1	ND	5
Benzene	71-43-2	ND	0.5
Bromobenzene	108-86-1	ND	0.5
Bromochloromethane	74-97-5	ND	0.5
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Butanone	78-93-3	ND	5
n-Butylbenzene	104-51-8	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethylvinyl ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
2-Chlorotoluene	95-49-8	ND	0.5
1-Chlorotoluene	106-43-4	ND	0.5
1,1-Dibromochloromethane	124-48-1	ND	0.5
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.5
1,2-Dibromoethane	106-93-4	ND	0.5
1,1-Dibromomethane	74-95-3	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
1,1,1-Trichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	19	0.5
cis-1,2-Dichloroethene	156-59-2	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
2,3-Dichloroethene (total)	540-59-0	ND	0.5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: MW1-A  
Lab Number: 9403083-01A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: 03/04/94  
Date Received: 03/05/94  
Date Analyzed: 03/14/94  
Analyst: ASC

analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds (Continued)</u>			
1,2-Dichloropropane	78-87-5	ND	0.5
1,3-Dichloropropane	142-28-9	ND	0.5
2,2-Dichloropropane	594-20-7	ND	0.5
1,1-Dichloropropene	563-58-6	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylbenzene	100-41-4	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
2-Hexanone	591-78-6	ND	5
Isopropylbenzene	98-82-8	ND	0.5
Isopropyltoluene	99-87-6	ND	0.5
Methylene chloride	75-09-2	ND	0.5
2-Methyl-2-pentanone	108-10-1	ND	5
Naphthalene	91-20-3	ND	0.5
n-Propylbenzene	103-65-1	ND	0.5
sec-Butylbenzene	135-98-8	ND	0.5
Styrene	100-42-5	ND	0.5
tert-Butylbenzene	98-06-6	ND	0.5
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	67	0.5
Toluene	108-88-3	ND	0.5
1,2,3-Trichlorobenzene	87-61-6	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5
1,1,1-Trichloroethane	71-55-6	1.7	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Dichloroethene	79-01-6	35	0.5
Dichlorofluoromethane	75-69-4	ND	0.5
1,2,3-Trichloropropane	96-18-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.9	0.5



Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: MW1-A  
Lab Number: 9403083-01A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: 03/04/94  
Date Received: 03/05/94  
Date Analyzed: 03/14/94  
Analyst: ASC

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds (Continued)</u>			
1,2,4-Trimethylbenzene	95-63-6	ND	0.5
1,3,5-Trimethylbenzene	108-67-8	ND	0.5
Vinyl chloride	75-01-4	ND	0.5
p-Xylene	95-47-6	ND	0.5
o,m-Xylenes	--	ND	0.5

<u>Surrogates</u>	<u>Recovery (%)</u>	<u>QC Limits (%)</u>
4-Bromofluorobenzene	460-00-4 96	80 - 120
1,4-Dichlorobenzene-d4	3855-82-1 101	80 - 120

Not detected at or above limit of detection  
Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: MW2-A  
Lab Number: 9403083-03A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: 03/04/94  
Date Received: 03/05/94  
Date Analyzed: 03/14/94  
Analyst: ASC

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds</u>			
Acetone	67-64-1	ND	5
Benzene	71-43-2	ND	0.5
Bromobenzene	108-86-1	ND	0.5
Bromochloromethane	74-97-5	ND	0.5
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
tert-Butanone	78-93-3	ND	5
n-Butylbenzene	104-51-8	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethylvinyl ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
2-Chlorotoluene	95-49-8	ND	0.5
4-Chlorotoluene	106-43-4	ND	0.5
1,1-Dibromochloromethane	124-48-1	ND	0.5
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.5
1,2-Dibromoethane	106-93-4	ND	0.5
1,1-Dibromomethane	74-95-3	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
1,1-Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	4.3	0.5
cis-1,2-Dichloroethene	156-59-2	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloroethene (total)	540-59-0	ND	0.5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: MW2-A  
Lab Number: 9403083-03A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: 03/04/94  
Date Received: 03/05/94  
Date Analyzed: 03/14/94  
Analyst: ASC

analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds (Continued)</u>			
1,2-Dichloropropane	78-87-5	ND	0.5
1,3-Dichloropropane	142-28-9	ND	0.5
2,2-Dichloropropane	594-20-7	ND	0.5
1,1-Dichloropropene	563-58-6	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
ethylbenzene	100-41-4	ND	0.5
hexachlorobutadiene	87-68-3	ND	0.5
2-Hexanone	591-78-6	ND	5
Isopropylbenzene	98-82-8	ND	0.5
p-Isopropyltoluene	99-87-6	ND	0.5
Methylene chloride	75-09-2	ND	0.5
2-Methyl-2-pentanone	108-10-1	ND	5
naphthalene	91-20-3	ND	0.5
n-Propylbenzene	103-65-1	ND	0.5
sec-Butylbenzene	135-98-8	ND	0.5
styrene	100-42-5	ND	0.5
tert-Butylbenzene	98-06-6	ND	0.5
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
tetrachloroethene	127-18-4	150	0.5
toluene	108-88-3	ND	0.5
1,2,3-Trichlorobenzene	87-61-6	ND	0.5
2,4-Trichlorobenzene	120-82-1	ND	0.5
1,1,1-Trichloroethane	71-55-6	0.7	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	9.2	0.5
Trichlorofluoromethane	75-69-4	0.9	0.5
1,2,3-Trichloropropane	96-18-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	4.0	0.5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: MW2-A  
Lab Number: 9403083-03A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: 03/04/94  
Date Received: 03/05/94  
Date Analyzed: 03/14/94  
Analyst: ASC

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds (Continued)</u>			
1,2,4-Trimethylbenzene	95-63-6	ND	0.5
1,3,5-Trimethylbenzene	108-67-8	ND	0.5
Vinyl chloride	75-01-4	ND	0.5
p-Xylene	95-47-6	ND	0.5
m-Xylenes	--	ND	0.5

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
4-Bromofluorobenzene	460-00-4	93	80 - 120
1,4-Dichlorobenzene-d4	3855-82-1	92	80 - 120

Not detected at or above limit of detection  
Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: MW3-A  
Lab Number: 9403083-05A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: 03/04/94  
Date Received: 03/05/94  
Date Analyzed: 03/14/94  
Analyst: ASC

analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds</u>			
Acetone	67-64-1	ND	5
Benzene	71-43-2	ND	0.5
Bromobenzene	108-86-1	ND	0.5
Bromochloromethane	74-97-5	ND	0.5
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Butanone	78-93-3	ND	5
n-Butylbenzene	104-51-8	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethylvinyl ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
2-Chlorotoluene	95-49-8	ND	0.5
4-Chlorotoluene	106-43-4	ND	0.5
1,1-Dibromochloromethane	124-48-1	ND	0.5
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.5
1,2-Dibromoethane	106-93-4	ND	0.5
1,1-Dibromomethane	74-95-3	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
1,1-Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	0.9	0.5
cis-1,2-Dichloroethene	156-59-2	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloroethene (total)	540-59-0	ND	0.5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: MW3-A  
Lab Number: 9403083-05A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: 03/04/94  
Date Received: 03/05/94  
Date Analyzed: 03/14/94  
Analyst: ASC

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds (Continued)</u>			
1,2-Dichloropropane	78-87-5	ND	0.5
1,3-Dichloropropane	142-28-9	ND	0.5
2,2-Dichloropropane	594-20-7	ND	0.5
1,1-Dichloropropene	563-58-6	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
2-Hexanone	591-78-6	ND	5
Isopropylbenzene	98-82-8	ND	0.5
n-Isopropyltoluene	99-87-6	ND	0.5
Methylene chloride	75-09-2	ND	0.5
2-Methyl-2-pentanone	108-10-1	ND	5
Naphthalene	91-20-3	ND	0.5
n-Propylbenzene	103-65-1	ND	0.5
sec-Butylbenzene	135-98-8	0.9	0.5
Styrene	100-42-5	ND	0.5
tert-Butylbenzene	98-06-6	ND	0.5
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	9.3	0.5
Toluene	108-88-3	ND	0.5
1,2,3-Trichlorobenzene	87-61-6	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	5.4	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,2,3-Trichloropropane	96-18-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: MW3-A  
Lab Number: 9403083-05A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: 03/04/94  
Date Received: 03/05/94  
Date Analyzed: 03/14/94  
Analyst: ASC

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds (Continued)</u>			
1,2,4-Trimethylbenzene	95-63-6	ND	0.5
1,3,5-Trimethylbenzene	108-67-8	ND	0.5
Vinyl chloride	75-01-4	ND	0.5
p-Xylene	95-47-6	ND	0.5
m-Xylenes	--	ND	0.5

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
4-Bromofluorobenzene	460-00-4	89	80 - 120
1,4-Dichlorobenzene-d4	3855-82-1	91	80 - 120

Not detected at or above limit of detection  
Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: MW4-A  
Lab Number: 9403083-07A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: 03/04/94  
Date Received: 03/05/94  
Date Analyzed: 03/14/94  
Analyst: ASC

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds</u>			
Acetone	67-64-1	ND	5
Benzene	71-43-2	ND	0.5
Bromobenzene	108-86-1	ND	0.5
Bromochloromethane	74-97-5	ND	0.5
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
tert-Butanone	78-93-3	ND	5
n-Butylbenzene	104-51-8	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethylvinyl ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
2-Chlorotoluene	95-49-8	ND	0.5
1-Chlorotoluene	106-43-4	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.5
1,2-Dibromoethane	106-93-4	ND	0.5
Dibromomethane	74-95-3	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
1-Chlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	14	0.5
cis-1,2-Dichloroethene	156-59-2	3.2	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloroethene (total)	540-59-0	3.2	0.5



Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Identification: MW4-A  
Number: 9403083-07A  
Matrix/Media: WATER  
Reference: EPA 524.2

Date Sampled: 03/04/94  
Date Received: 03/05/94  
Date Analyzed: 03/14/94  
Analyst: ASC

	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Organic Compounds (Continued)</u>			
1,1-Dichloropropane	78-87-5	ND	0.5
1,2-Dichloropropane	142-28-9	ND	0.5
1,3-Dichloropropane	594-20-7	ND	0.5
1,1-Dichloropropene	563-58-6	ND	0.5
2,3-Dichloropropene	10061-01-5	ND	0.5
1,1,3,3-Tetrachloropropene	10061-02-6	ND	0.5
Benzene	100-41-4	ND	0.5
1,3-Butadiene	87-68-3	ND	0.5
Acetone	591-78-6	ND	5
Propylbenzene	98-82-8	ND	0.5
Propyltoluene	99-87-6	ND	0.5
Ethene chloride	75-09-2	ND	0.5
2-Pentanone	108-10-1	ND	5
Alene	91-20-3	ND	0.5
Propylbenzene	103-65-1	ND	0.5
Butylbenzene	135-98-8	ND	0.5
ne	100-42-5	ND	0.5
Butylbenzene	98-06-6	ND	0.5
1,2-Tetrachloroethane	630-20-6	ND	0.5
1,2-Tetrachloroethane	79-34-5	ND	0.5
Chloroethene	127-18-4	190	0.5
ne	108-88-3	ND	0.5
1-Trichlorobenzene	87-61-6	ND	0.5
1-Trichlorobenzene	120-82-1	ND	0.5
1-Trichloroethane	71-55-6	1.2	0.5
1-Trichloroethane	79-00-5	ND	0.5
1-Chloroethene	79-01-6	29	0.5
1-Fluoromethane	75-69-4	3.7	0.5
1-Trichloropropane	96-18-4	ND	0.5
1-Trichloro-1,2,2-trifluoroethane	76-13-1	8.4	0.5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification:	MW4-A	Date Sampled:	03/04/94
Lab Number:	9403083-07A	Date Received:	03/05/94
Sample Matrix/Media:	WATER	Date Analyzed:	03/14/94
Method Reference:	EPA 524.2	Analyst:	ASC

analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds (Continued)</u>			
2,4-Trimethylbenzene	95-63-6	ND	0.5
1,3,5-Trimethylbenzene	108-67-8	ND	0.5
Vinyl chloride	75-01-4	ND	0.5
p-Xylene	95-47-6	ND	0.5
m-Xylenes	--	ND	0.5

Compounds		<u>Recovery (%)</u>		<u>QC Limits (%)</u>	
4-Bromofluorobenzene	460-00-4	102		80 - 120	
1,4-Dichlorobenzene-d4	3855-82-1	105		80 - 120	

Not detected at or above limit of detection  
Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: METHOD BLANK  
Lab Number: 9403083-09A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: --  
Date Received: --  
Date Analyzed: 03/14/94  
Analyst: ASC

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds</u>			
Acetone	67-64-1	ND	5
Benzene	71-43-2	ND	0.5
Bromobenzene	108-86-1	ND	0.5
Bromochloromethane	74-97-5	ND	0.5
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
2-Butanone	78-93-3	ND	5
n-Butylbenzene	104-51-8	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethylvinyl ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
2-Chlorotoluene	95-49-8	ND	0.5
4-Chlorotoluene	106-43-4	ND	0.5
1,1-Dibromochloromethane	124-48-1	ND	0.5
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.5
1,2-Dibromoethane	106-93-4	ND	0.5
1,1-Dibromomethane	74-95-3	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
1,1-Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-59-2	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloroethene (total)	540-59-0	ND	0.5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: METHOD BLANK  
Lab Number: 9403083-09A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: --  
Date Received: --  
Date Analyzed: 03/14/94  
Analyst: ASC

Analyste	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds (Continued)</u>			
1,2-Dichloropropane	78-87-5	ND	0.5
1,3-Dichloropropane	142-28-9	ND	0.5
2,2-Dichloropropane	594-20-7	ND	0.5
1,1-Dichloropropene	563-58-6	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
2-Hexanone	591-78-6	ND	5
Isopropylbenzene	98-82-8	ND	0.5
Isopropyltoluene	99-87-6	ND	0.5
Methylene chloride	75-09-2	ND	0.5
2-Methyl-2-pentanone	108-10-1	ND	5
Naphthalene	91-20-3	ND	0.5
Propylbenzene	103-65-1	ND	0.5
sec-Butylbenzene	135-98-8	ND	0.5
Styrene	100-42-5	ND	0.5
tert-Butylbenzene	98-06-6	ND	0.5
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
Toluene	108-88-3	ND	0.5
1,2,3-Trichlorobenzene	87-61-6	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,2,3-Trichloropropane	96-18-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 50923.03  
Clayton Project No. 94030.83

Sample Identification: METHOD BLANK  
Lab Number: 9403083-09A  
Sample Matrix/Media: WATER  
Method Reference: EPA 524.2

Date Sampled: --  
Date Received: --  
Date Analyzed: 03/14/94  
Analyst: ASC

analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds (Continued)</u>			
1,2,4-Trimethylbenzene	95-63-6	ND	0.5
1,3,5-Trimethylbenzene	108-67-8	ND	0.5
Vinyl chloride	75-01-4	ND	0.5
p-Xylene	95-47-6	ND	0.5
o,m-Xylenes	--	ND	0.5

<u>Proxies</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
4-Bromofluorobenzene	460-00-4	87	80 - 120
1,4-Dichlorobenzene-d4	3855-82-1	83	80 - 120

Not detected at or above limit of detection  
Information not available or not applicable

15 Clay [redacted] [redacted] Page [redacted] [redacted] / [redacted]	
Project No.	
Batch No. 29030331	
Ind. Code	W.P.
Date Logged In 3/7/94	By Tammi

<b>REPORT RESULTS TO</b>	Name	GUSTAVO VALDIVIA	Title	PROJECT MANAGER	Purchase Order No.	50923.03	Client Job No.	50923-03
	Company	CLAYTON ENVIRONMENTAL	Dept.	CYP/EMS	Name	GUSTAVO VALDIVIA		
	Mailing Address	5785 CORPORATE AVE. SUITE 150						
	City, State, Zip	CYPRESS, CA 90630						
	Telephone No.	(714) 224-4806	Telefax No.	(714) 224-4805	SEND INVOICE TO	Company		
	Date Results Req.	3/15/94	Rush Charges Authorized?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Phone / Fax Results	<input type="checkbox"/> Phone <input type="checkbox"/> Fax	Address	
Special Instructions: (method, limit of detection, etc.) ANALYZE NO LATER THAN Explanation of Preservative: 3/11/94				Samples are: (check if applicable) <input type="checkbox"/> Drinking Water <input type="checkbox"/> Collected in the State of New York	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)			
CLIENT SAMPLE IDENTIFICATION		DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	FOR LAB USE ONLY		
MW1-A		3/4/94	H <sub>2</sub> O	40 ml g.	3	✓		01A-C
MW1-B					2		✓	02A,B
MW2-A					3	✓		03A-C
MW2-B					2		✓	04A,B
MW3-A					3	✓		05A-C
MW3-B					2		✓	06A,B
MW4-A					3	✓		07A-C
MW4-B					2		✓	08A,B
<b>CHAIN OF CUSTODY</b>	Collected by:	LEO WILLIAMSON (print)			Collector's Signature:	Leo W. Williamson		
	Relinquished by:	L.W. Williamson	Date/Time	3/4/94 16:16	Received by:	José Valdivia	Date/Time	3/4/94 16:16
	Relinquished by:	José Valdivia	Date/Time	3/4/94 16:20	Received at Lab by:	José Valdivia	Date/Time	3/4/94 16:20
	Method of Shipment:				Sample Condition Upon Receipt:	<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		
Authorized by: José Valdivia				Date	3/4/94			
(Client Signature Must Accompany Request)				SAT. FEDEX				

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive  
Novi, MI 48375  
(313) 344-1770

**Raritan Center**  
160 Fieldcrest Ave.  
Edison, NJ 08837  
(908) 225-6040

**400 Chastain Center Blvd., N.W.  
Suite 490  
Kennesaw, GA 30144  
(404) 499-7500**

1252 Quarry Lane  
Pleasanton, CA 94566  
(510) 426-2657

**DISTRIBUTION:**

WHITE - Clayton Laboratory  
YELLOW - Clayton Accounting  
PINK - Client Retains

Clayton Lab Number: 9403083-MB  
Ext./Prep. Method:  
Date: / /  
Analyst:  
Std. Source: M940225-01W  
Sample Matrix/Media: WATER

Analytical Method: EPA524.2  
Instrument ID: 02831  
Date: 03/14/94  
Time: 16:41  
Analyst: ASC  
Units: UG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
1,1-Dichloroethene	ND	5.00	4.44	89	4.46	89	89	80	120	0.4	20
Benzene	ND	5.00	4.58	92	4.41	88	90	80	120	3.8	20
Chlorobenzene	ND	5.00	4.76	95	4.63	93	94	80	120	2.8	20
Toluene	ND	5.00	4.54	91	4.34	87	89	80	120	4.5	20
Trichloroethene	ND	5.00	4.38	88	4.17	83	86	80	120	4.9	20

LCS = Laboratory Control Sample  
ND = Not detected at or above limit of detection

LCL = Lower Control Limit

UCL = Upper Control Limit  
SOR = Spike out of range due to high sample concentration.

**APPENDIX C**  
**HAZARDOUS WASTE MANIFEST**



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address STOODY COMPANY P.O. BOX 9957 BOWLING GREEN, KY 42102-4907		4. Generator's Phone (813) 968-2707 Industry, CA. 91715-0426		A. State Manifest Document No. 32109406	
5. Transporter 1 Company Name AMBERWICK CORP.		6. US EPA ID Number C A D 9 8 0 8 9 2 1 1 1		B. State Generator's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
9. Designated Facility Name and Site Address DE MENNO/KERDOON 2000 NORTH ALAMEDA COMPTON, CA 90222		10. US EPA ID Number C A T 6 8 0 0 1 3 3 5 3		D. State Transporter's ID	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA HAZARDOUS WASTE LIQUID		0 0 1 T T		002725	G
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above GROUND WATER		K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information WEAR APPROPRIATE PROTECTIVE CLOTHING. 24 HOUR EMERGENCY PHONE # 310/426-6503 T.R.G. PAGE # 1/A					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name X Richard K.W. Han		Signature X Richard K.W. Han		Month 11	Day 04
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GREG BRADY		Signature Greg Brady		Month 11	Day 04
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month 11	Day 04
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name					
Signature		Month 11		Day 04	Year 93

DO NOT WRITE BELOW THIS LINE.